

# UNIVERSITY COUNCIL MEETING

November 17, 2014

3:00 p.m.

1045 Pamplin Hall

AGENDA

1. Adoption of Agenda Dr. Timothy Sands
  
2. Announcement of approval and posting of minutes of November 3, 2014 Dr. Timothy Sands  

These minutes have been voted on electronically and will be posted on the University web.
  
3. Old Business Dr. Timothy Sands  

**Commission on Undergraduate Studies and Policies** Dr. Gena Chandler-Smith  
Resolution CUSP 2014-15E  
Resolution to Approve New Major, Literature and Language, in Bachelor of Arts in English

**Commission on Undergraduate Studies and Policies** Dr. Gena Chandler-Smith  
Resolution CUSP 2014-15F  
Resolution to Approve New Major, Creative Writing, in Bachelor of Arts in English

**Commission on Undergraduate Studies and Policies** Dr. Gena Chandler-Smith  
Resolution CUSP 2014-15G  
Resolution to Approve New Major, Professional and Technical Writing, in Bachelor of Arts in English
  
4. New Business Dr. Timothy Sand  

**Commission on Faculty Affairs** Dr. Rami Dalloul  
Resolution CFA 2014-15A  
Resolution to Approve the Department of Biomedical Engineering and Mechanics
  
4. Announcement of acceptance and posting of Commission Minutes Dr. Timothy Sands  

These minutes have been accepted for filing by electronic vote and will be posted on the University web. Note that the purpose of voting on Commission minutes is to accept them for filing. University Council By-laws require that policy items be brought forward in resolution form for University Council action.

Commission on Faculty Affairs  
September 26, 2014  
October 24, 2014

Commission on Graduate Studies and Policies  
October 15, 2014

Commission on Outreach and International Affairs  
October 16, 2014

Commission on Student Affairs  
September 4, 2014  
September 18, 2014

Commission on Undergraduate Studies and Policies  
October 27, 2014

Commission on University Support  
October 16, 2014

5. **Presentation**

Campus Master Plan

Mr. Jason Soileau

6. **Adjournment**

Dr. Timothy Sands

**University Council Minutes**  
**November 17, 2014**  
**3:00 PM**  
**1045 Pamplin Hall**

**Present:** Tim Sands (presiding), Erik Westman for Richard Benson, Gary Long for Lay Nam Chang, Jack Davis, Elizabeth Flanagan, Guru Ghosh, Susan Sumner for Alan Grant, Mark McNamee, Jeb Stewart for Scott Midkiff, Kim O'Rourke, Hunter Gresham for Patricia Perillo, Dwight Shelton, Robert Sumichrast, Tom Tillar, Martin Daniel for Robert Walters, Sherwood Wilson, Paul Winistorfer, Sandra Muse for France Bélanger, Rami Dalloul, Reed Kennedy, Edward Lener for Maxine Lyons, Gena Chandler-Smith for Stephen Martin, Alex Parrish, Hans Robinson, Alex Fritz for Susan Volkmar, Deborah Smith for Susan Anderson, Charlene Eska, Joe Merola, Corinne Noiro, Christopher Beattie, Kathrine Carter, David Dillard, Tom Fox, Paul Herr, Joan Hirt, Nanda Nanthakumar, Susanna Rinehart, Christine Watkinson for Darla Chudzik, Lynn Short, Sue Teel, Tom Tucker, Brett Besag, Larry Cox, Raifu Durodoye, Kyrille Goldbeck DeBose, Alphonso Garrett, De'Ashley Spain, Matthew Chan, Samantha Erwin, Taylor Fix, Kylie Gilbert, Megan Nguyen, Jake Tully, Dan Cook, Bernice Hausman,

**Absent:** Cyril Clarke (with notice), Karen DePauw, Elizabeth Spiller (with notice), Tyler Walters, Pam White, Aaron Bond, Joseph Edens, Bruce Pencek, Anita Puckett (with notice), Dave Dugas, Ana Agud (with notice), Melissa Means (with notice), Stacey Poertner (with notice), Michael Martin, Greg Purdy, Stephen Hensell, B.H. Kim, Austin Larrowe, Ashley Francis (with notice)

**Guests:** Joe Eska, Rachel Holloway, Hal Irvin, April Myers, Jason Soileau, David Travis, Jr.

Dr. McNamee called the meeting to order at 3:00 p.m. A quorum was present.

**1. Adoption of Agenda**

A motion was made and seconded to adopt the agenda. The motion carried.

**2. Announcement of approval and posting of minutes of November 3, 2014**

Dr. Sands noted that these minutes have been voted on electronically and can be publicly accessed on the Governance Information System on the Web (<http://www.governance.vt.edu>)

**3. Old Business**

**Commission on Undergraduate Studies and Policies**

CUSP Resolution 2014-15E

Resolution to Approve New Major, Literature and Language, in Bachelor of Arts in English

CUSP Resolution 2014-15F

Resolution to Approve New Major, Creative Writing, in Bachelor of Arts in English

CUSP Resolution 2014-15G

Resolution to Approve New Major, Professional and Technical Writing, in Bachelor of Arts in English

Dr. Chandler-Smith presented the three resolutions for second reading and made a motion to approve. The motion was seconded. Dr. Joe Eska indicated that currently there are options in professional writing, creative writing, and literature, language and culture. This resolution is a reorganization that follows the general direction that the university is going by turning options into majors. A vote was taken and the motion passed.

#### **4. New Business**

##### **Commission on Faculty Affairs**

CFA Resolution 2014-15A

Resolution to Approve the Department of Biomedical Engineering and Mechanics

Dr. Dalloul presented the resolution for first reading. This is not a new department but a merged department of the Department of Biomedical Engineering and the Department of Engineering Science and Mechanics. The merging of these two departments does not affect Virginia Tech's partnership with Wake Forest. There are no anticipated new degrees nor changes in the curriculum of the newly named department at this time. The advantage to merging these two departments is to merge their administrative resources.

#### **5. Announcement of Approval and Posting of Commission Minutes**

These minutes have been voted on electronically and will be posted on the University web (<http://www.governance.vt.edu>). Note that the purpose of voting on Commission minutes is to accept them for filing. University Council By-laws require that policy items be brought forward in resolution form for University Council action.

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October 27, 2014
- Commission on University Support  
October 16, 2014

#### **6. Presentation**

Mr. Jason Soileau, Assistant Vice President of University Planning, gave a presentation (attached) on the campus master plan.

#### **7. Adjournment**

There being no further business, a motion was made to adjourn the meeting at 4:00 p.m.



*Master Plan Update  
And  
Campus Enhancements*

*Virginia Tech*

**Golf Course District  
(Proposed Graduate &  
Professional District)**

***Land Bank***

**Academic Core**

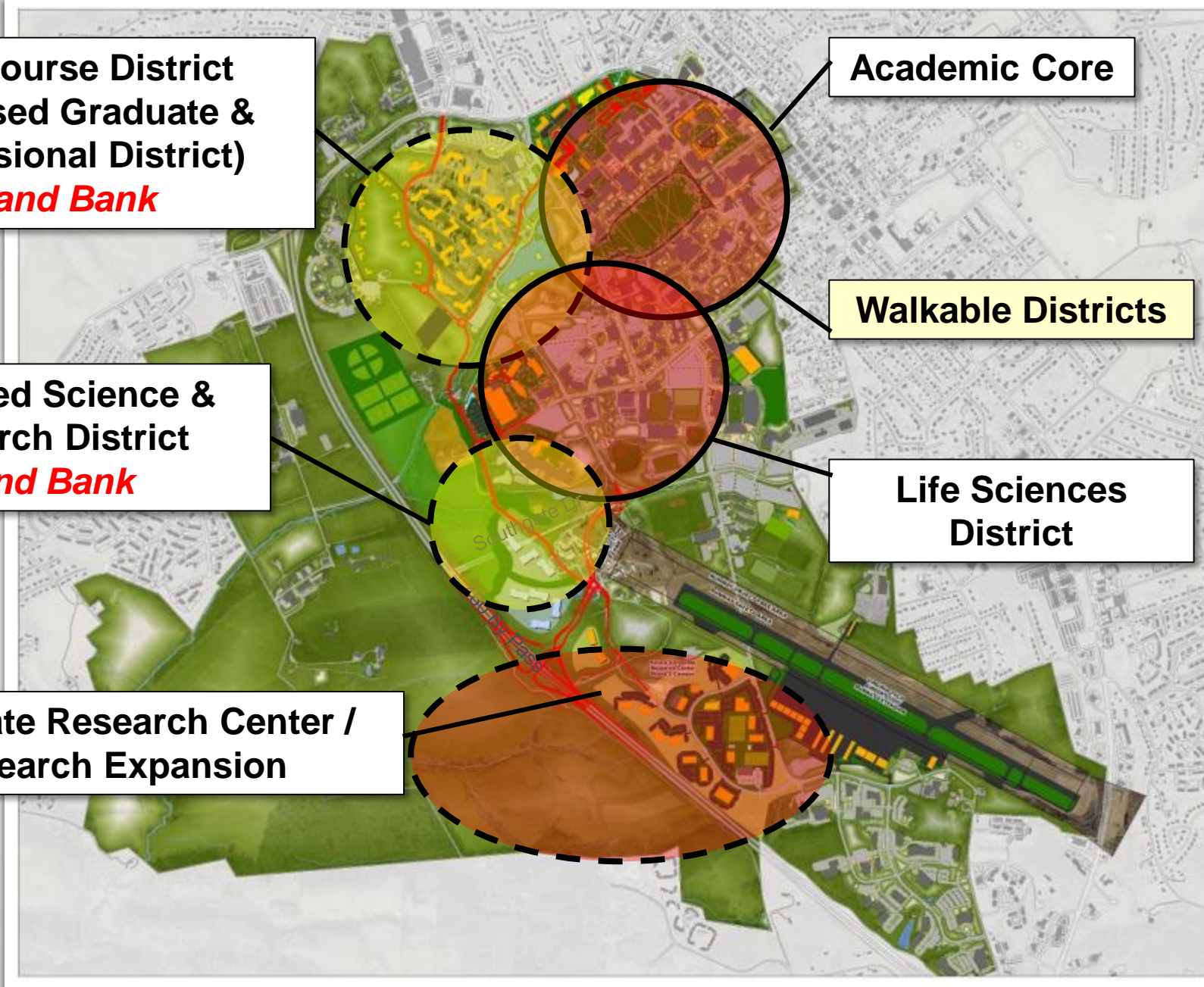
**Walkable Districts**

**Proposed Science &  
Research District**

***Land Bank***

**Life Sciences  
District**

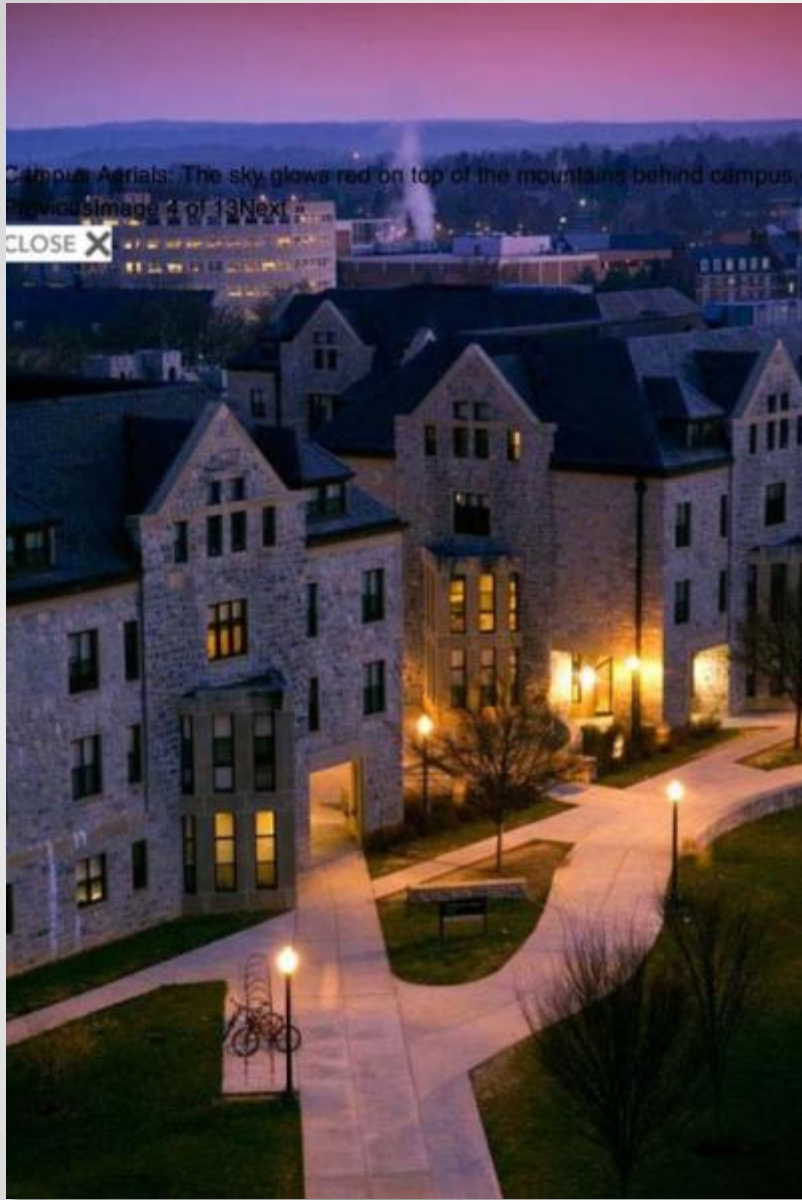
**Corporate Research Center /  
Research Expansion**





- Original campus layout followed **natural landforms**
- Preserved open spaces now define the **pedestrian greenway system**
- Natural landforms **link campus districts**





## CAMPUS MASTER PLAN – Greenway Pedestrian Linkages



- Historically applied design standards and principles help to create a strong **“Sense of Place”**







**Create “Lingering” Spaces for Cross Disciplinary Collaboration**

*So ... Why is this important?*

*Facilitating Productive Collisions*



Arts



Technology

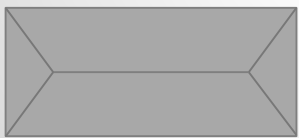


Science



*Creative  
Civility & Energy  
Technologies*  
Thoughtful Congregation Areas

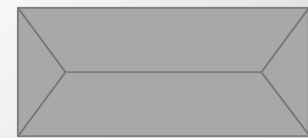
Residence



Dining Hall



Student Center



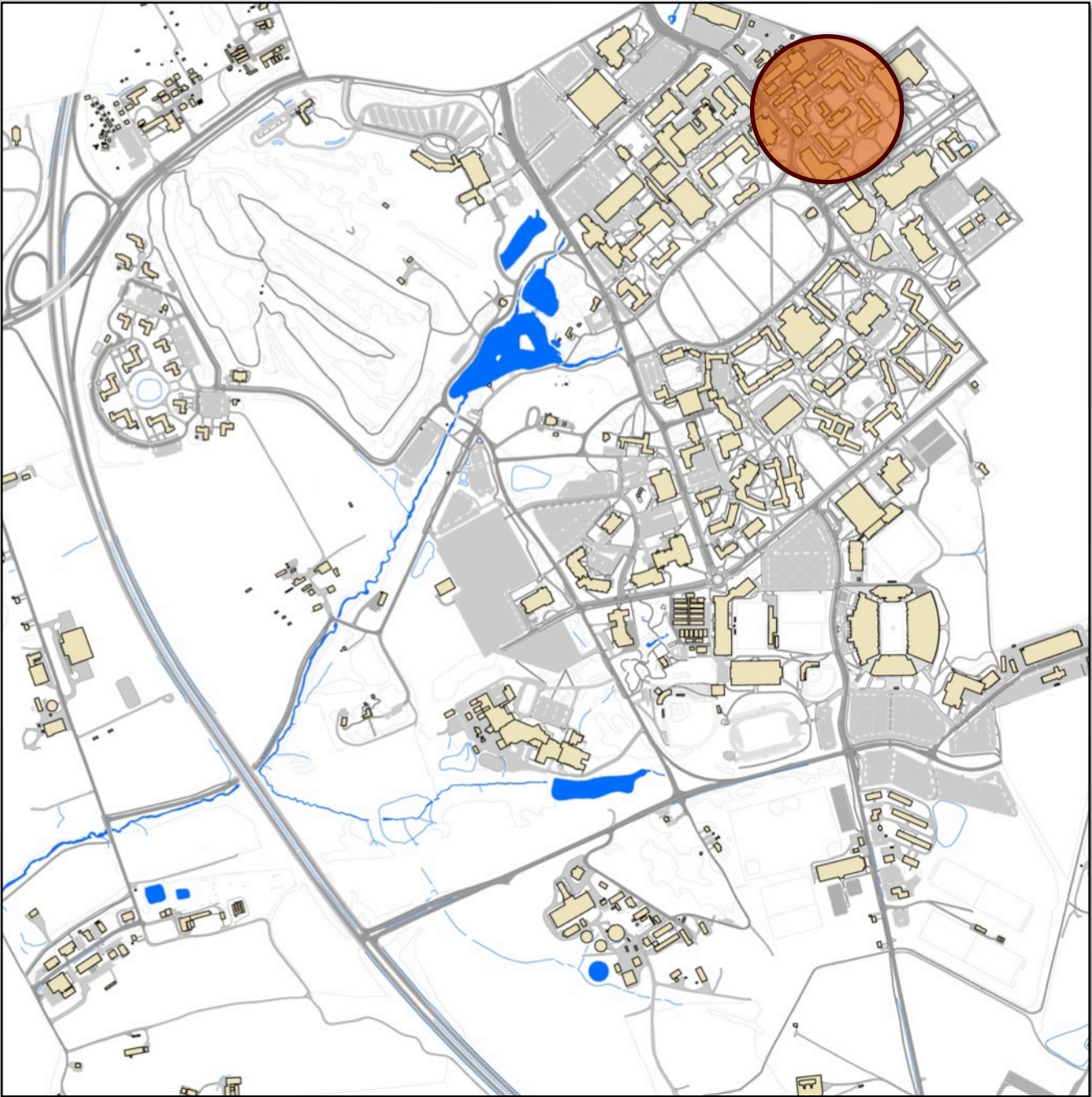
TRANSITION BETWEEN DESTINATIONS



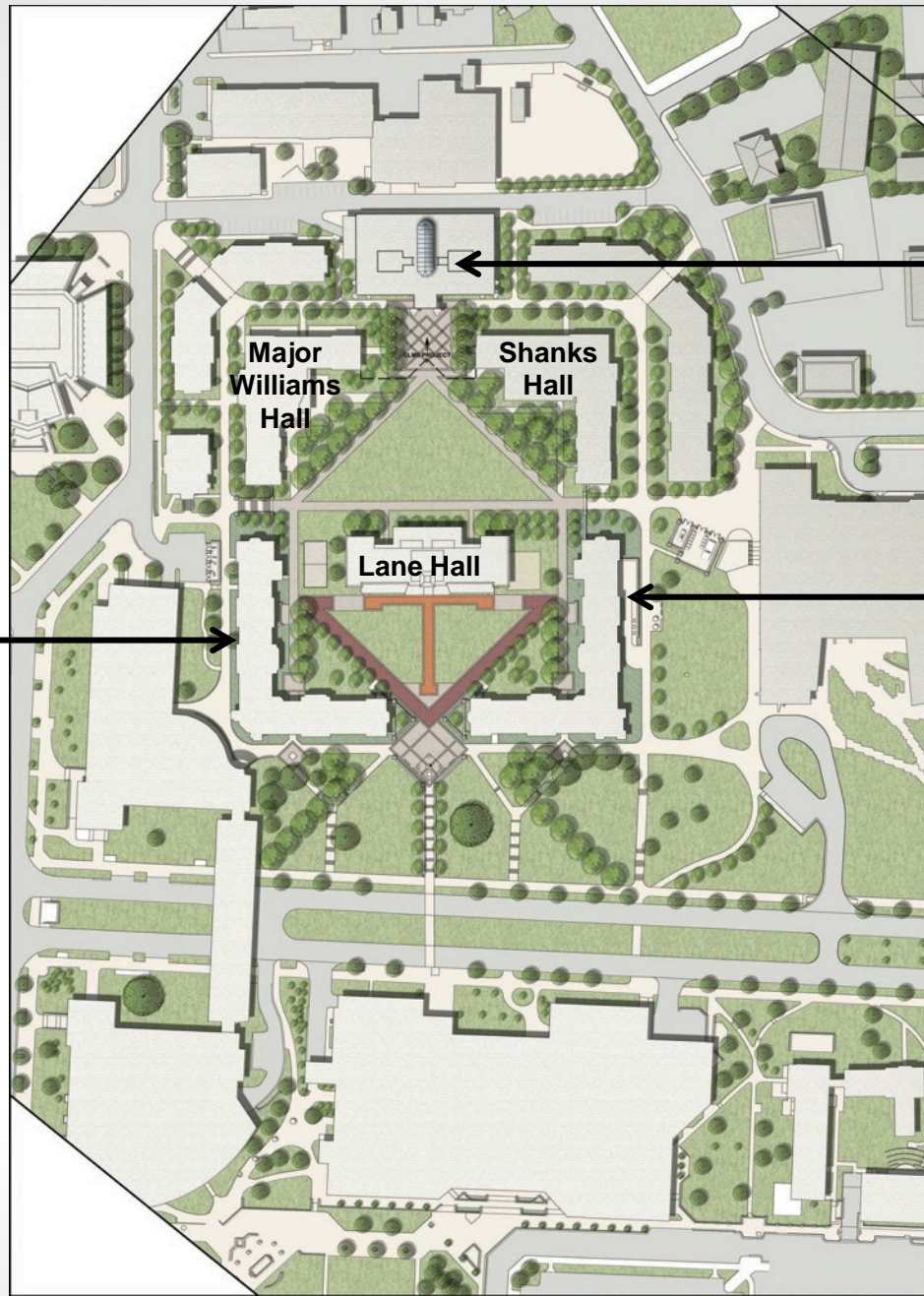
# Academic Core

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## *Upcoming Changes*



**ACADEMIC CORE: Upper Quad**



**Brodie Hall  
Replacement**

**Major  
Williams  
Hall**

**Shanks  
Hall**

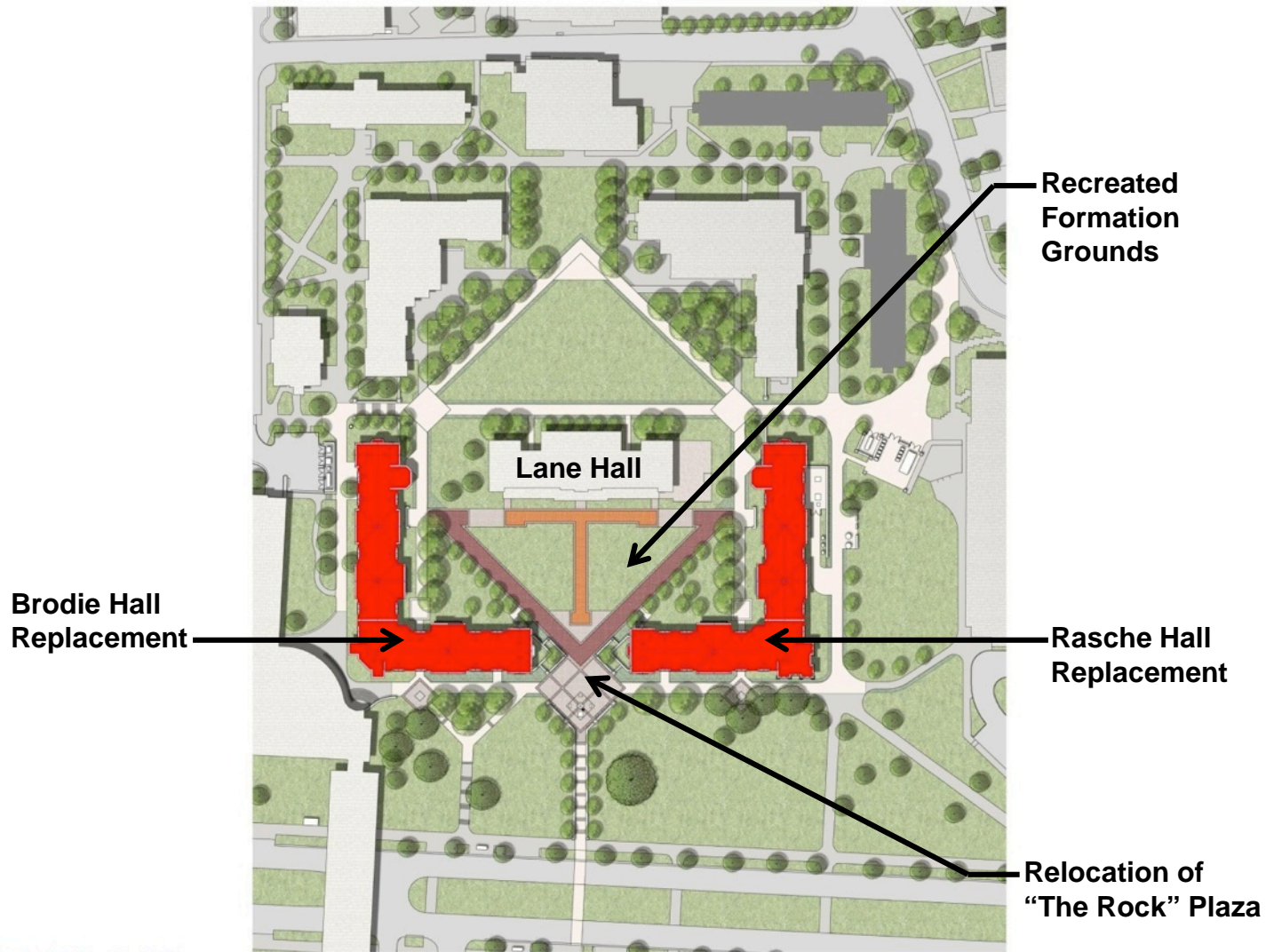
**Lane Hall**

**Corps Leadership  
and Military  
Science Building**

**Rasche Hall  
Replacement**

**ACADEMIC CORE: UPPER QUAD**





## SITE PLAN

VIRGINIA TECH - UPPER QUAD RESIDENTIAL FACILITIES  
Blacksburg, VA

09/09/13

**CLARK • NEXSEN**  
Architecture & Engineering

**ACADEMIC CORE: Upper Quad**

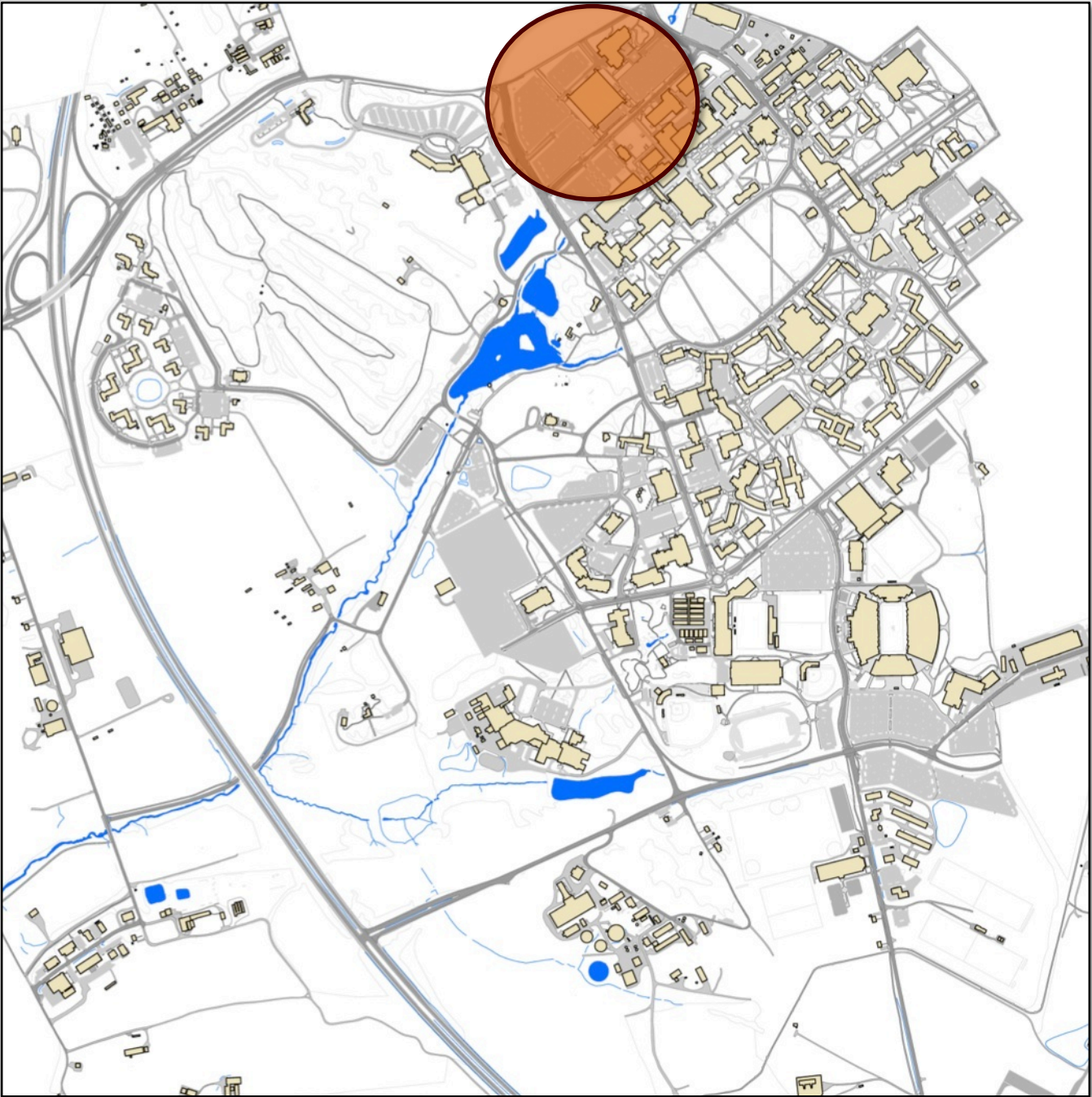


**Construction Photo**





**ACADEMIC CORE: Upper Quad**



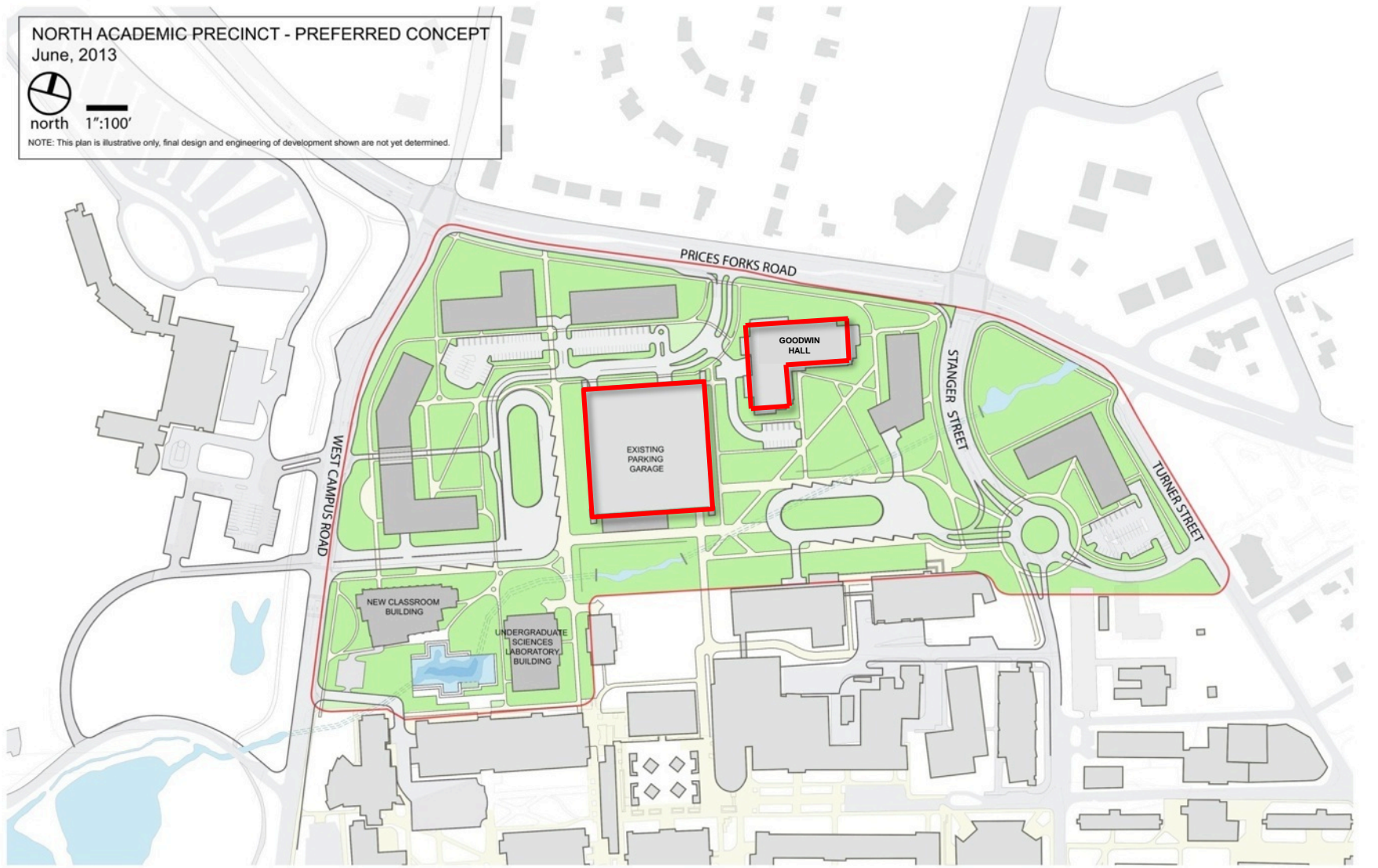
**ACADEMIC CORE: North Campus Precinct**



**NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT**  
June, 2013



NOTE: This plan is illustrative only, final design and engineering of development shown are not yet determined.



**ACADEMIC CORE: North Campus Precinct**





**ACADEMIC CORE: Goodwin Hall**



**NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT**  
June, 2013



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**Campus Edge Identity**



**Openspace Network**



**Stormwater Management**



**Efficient Road Network**



**Minimize Conflicts**



**Pedestrian Connections**



**Creating Arrival**



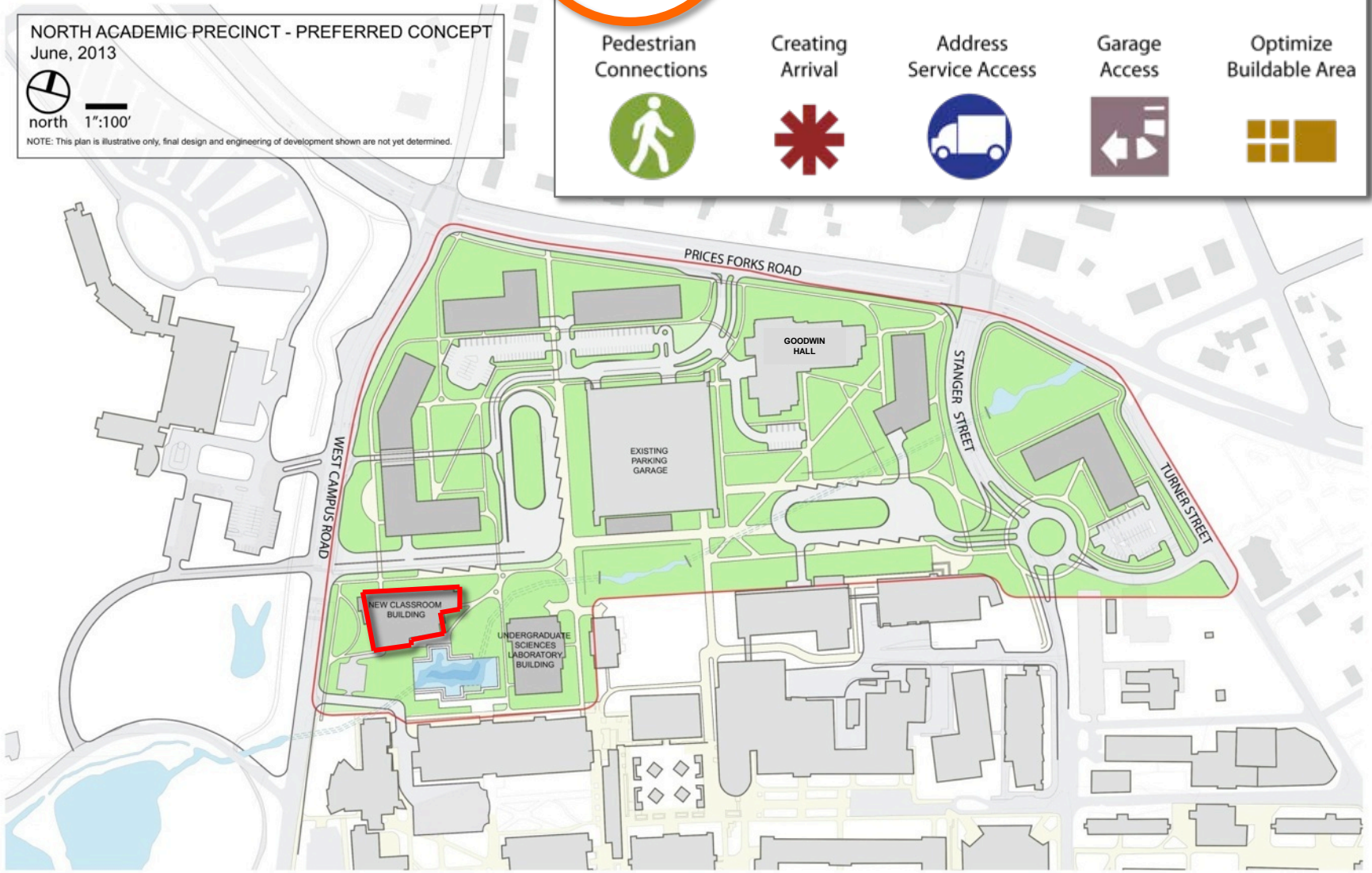
**Address Service Access**



**Garage Access**



**Optimize Buildable Area**



**ACADEMIC CORE: North Campus Precinct**

# CLASSROOM BUILDING

Northwest Perspective



Southwest Perspective



West Entrance





Campus Edge Identity



Openspace Network



Stormwater Management



Efficient Road Network



Minimize Conflicts



Pedestrian Connections



Creating Arrival



Address Service Access



Garage Access



Optimize Buildable Area

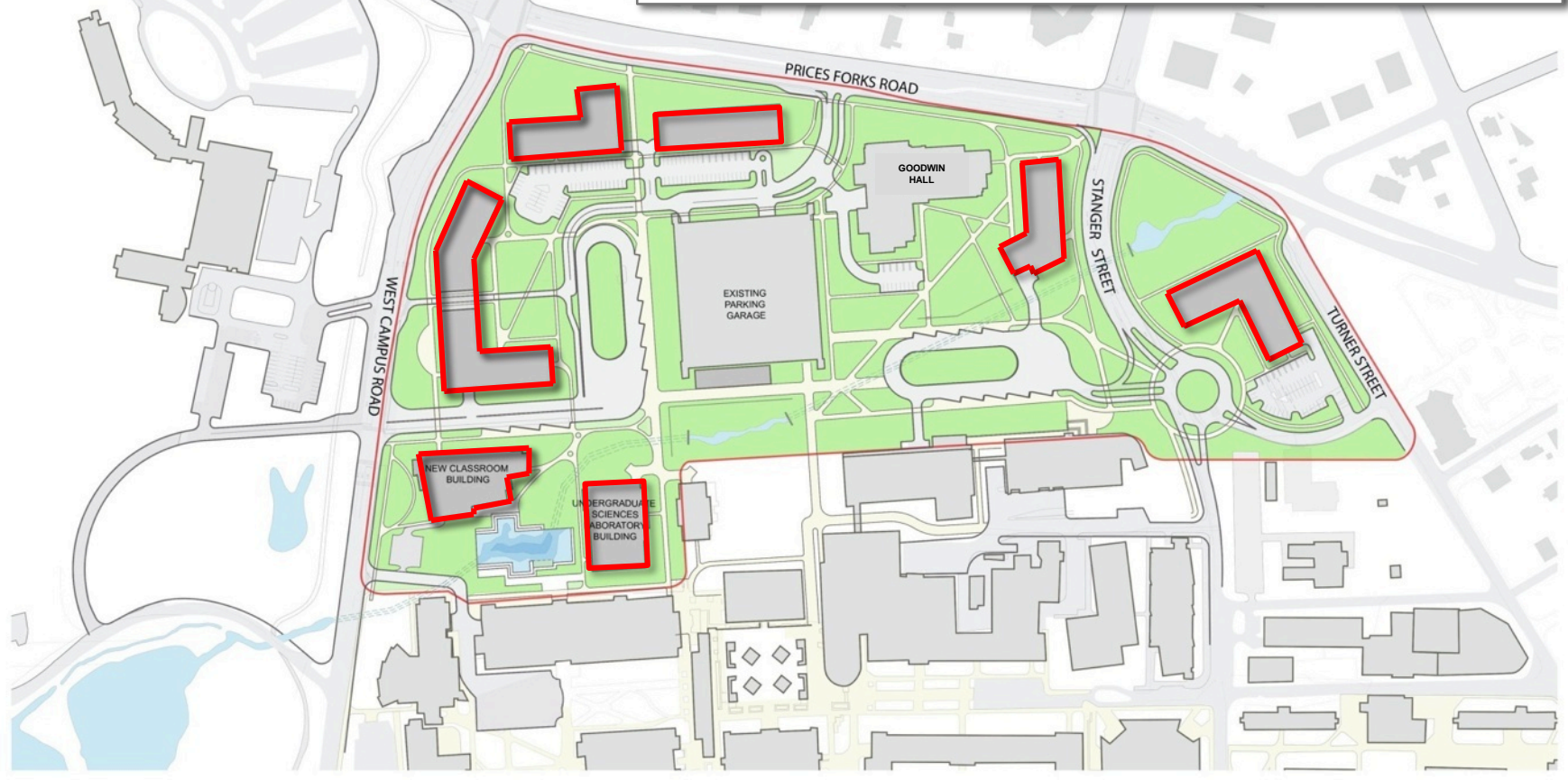


NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT

June, 2013



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NEW CLASSROOM BUILDING

UNDERGRADUATE SCIENCES LABORATORY BUILDING

EXISTING PARKING GARAGE

GOODWIN HALL

ACADEMIC CORE: North Campus Precinct

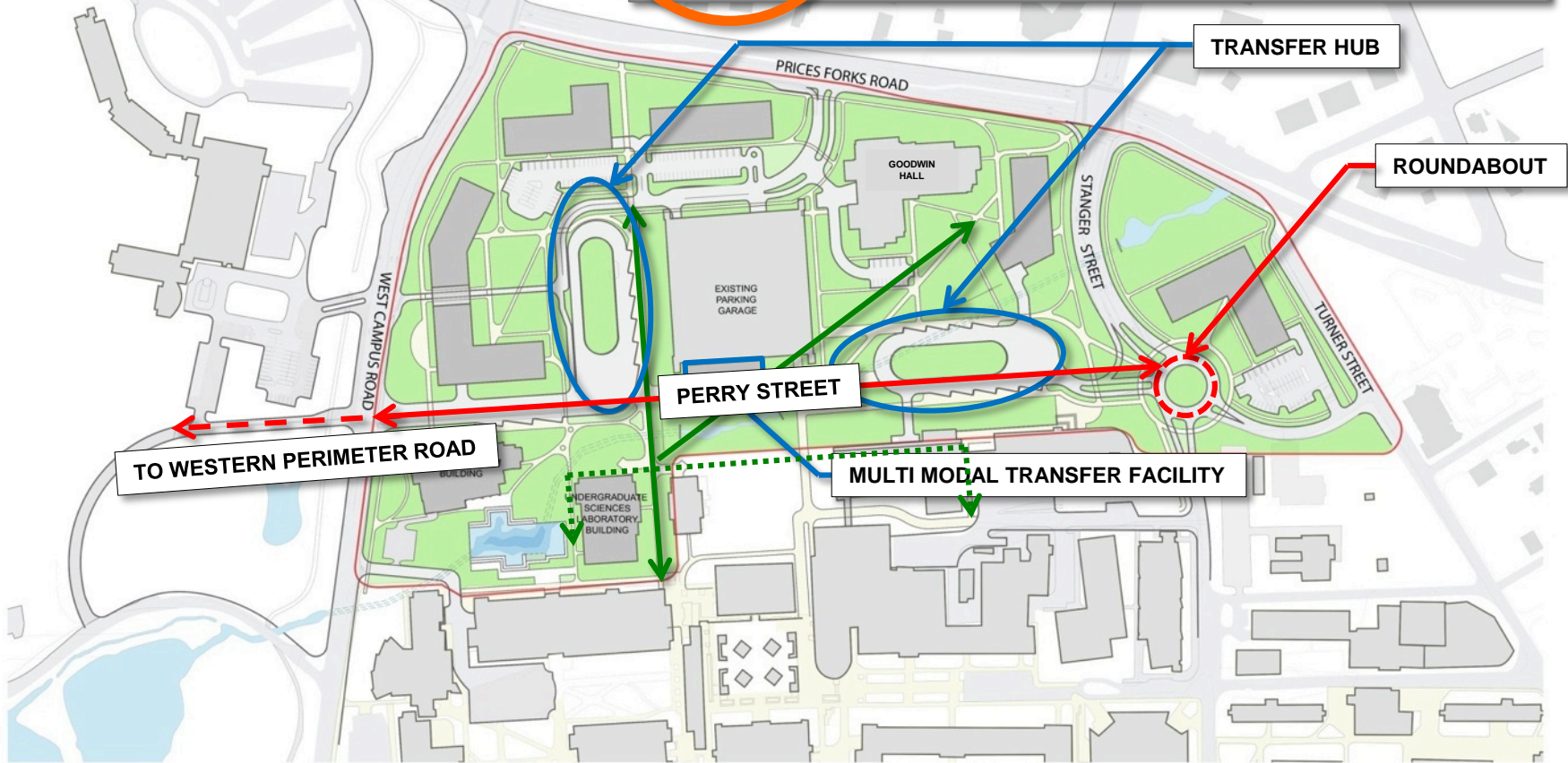
# So...What type of Pedestrian Experience will this Create?

<b>Campus Edge Identity</b> 	<b>Openspace Network</b> 	<b>Stormwater Management</b> 	<b>Efficient Road Network</b> 	<b>Minimize Conflicts</b> 
<b>Pedestrian Connections</b> 	<b>Creating Arrival</b> 	<b>Address Service Access</b> 	<b>Garage Access</b> 	<b>Optimize Buildable Area</b> 

NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT  
June, 2013

north 1":100'

NOTE: This plan is illustrative only, final design and engineering of development shown are not yet determined.



## ACADEMIC CORE: North Campus Precinct











**ACADEMIC CORE: North Campus Precinct**



**NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT**

June, 2013



north 1"=100'

NOTE: This plan is illustrative only, final design and engineering of development shown are not yet determined.

Campus Edge Identity



Openspace Network



Stormwater Management



Efficient Road Network



Minimize Conflicts



Pedestrian Connections



Creating Arrival



Address Service Access



Garage Access



Optimize Buildable Area



PROPOSED QUAD

PROPOSED QUAD

DAYLIGHT STOUBLES CREEK

WEST CAMPUS ROAD

PRICES FORKS ROAD

GOODWIN HALL

EXISTING PARKING GARAGE

STANGER STREET

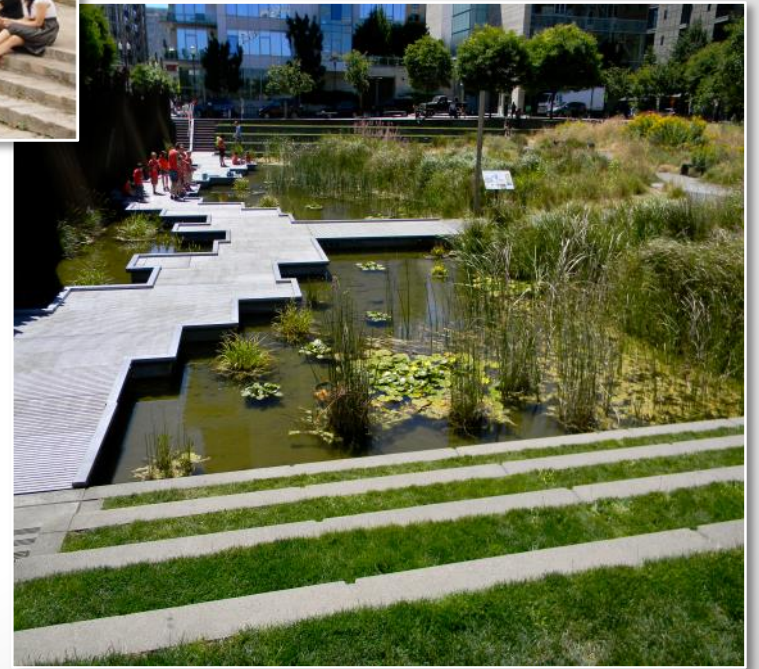
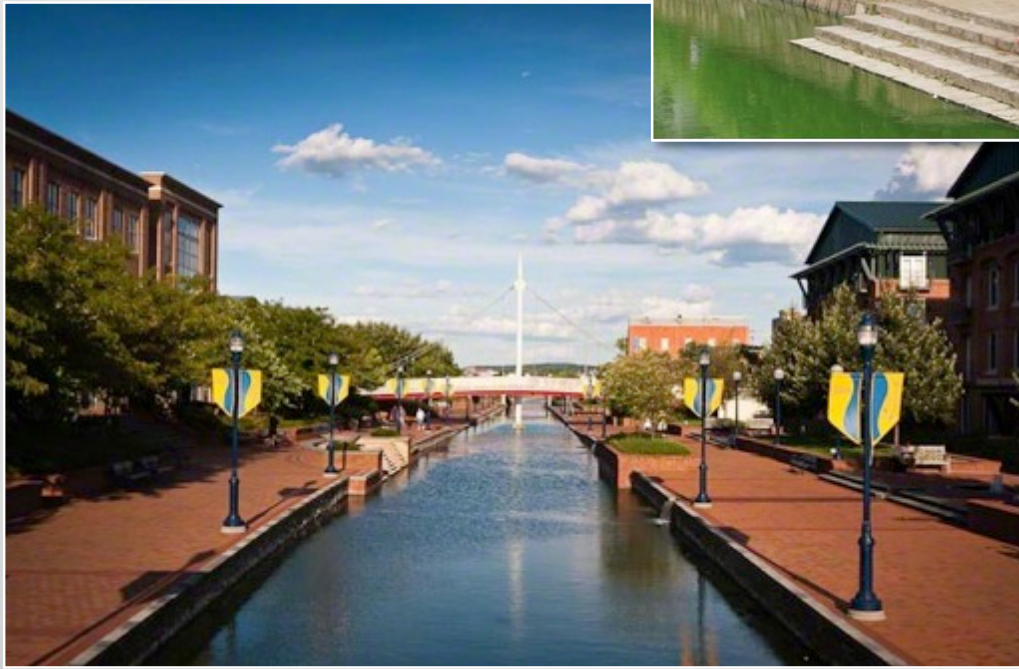
TURNER STREET

NEW CLASSROOM BUILDING

UNDERGRADUATE SCIENCES LABORATORY BUILDING

**ACADEMIC CORE: North Campus Precinct**





## **DAYLIGHTING STROUBLES CREEK - Opportunities**

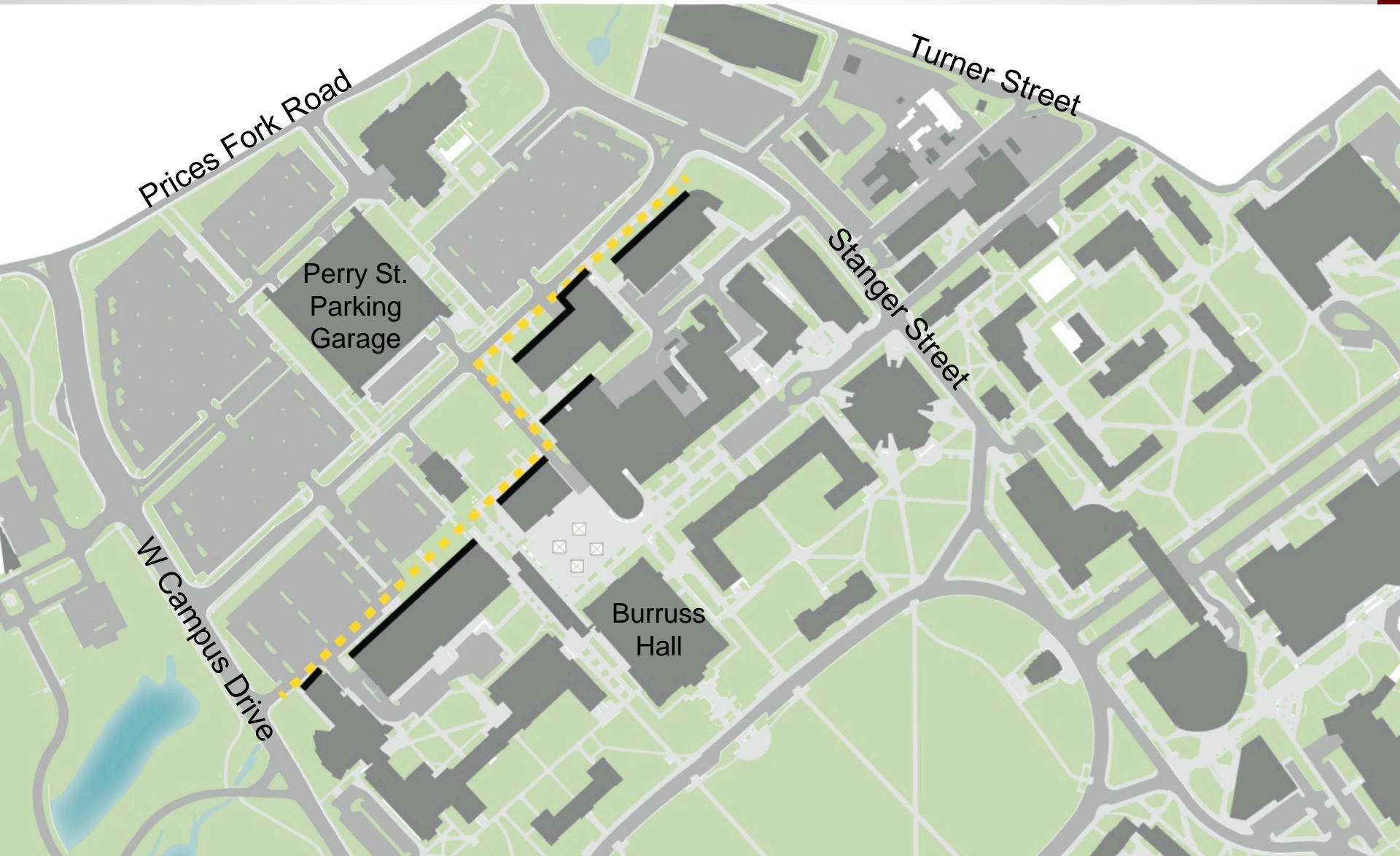


**ACADEMIC CORE: North Academic Precinct Pedestrian**



# CAMPUS EDGE AND THRESHOLD CONDITIONS

■ ■ ■ Campus Edge



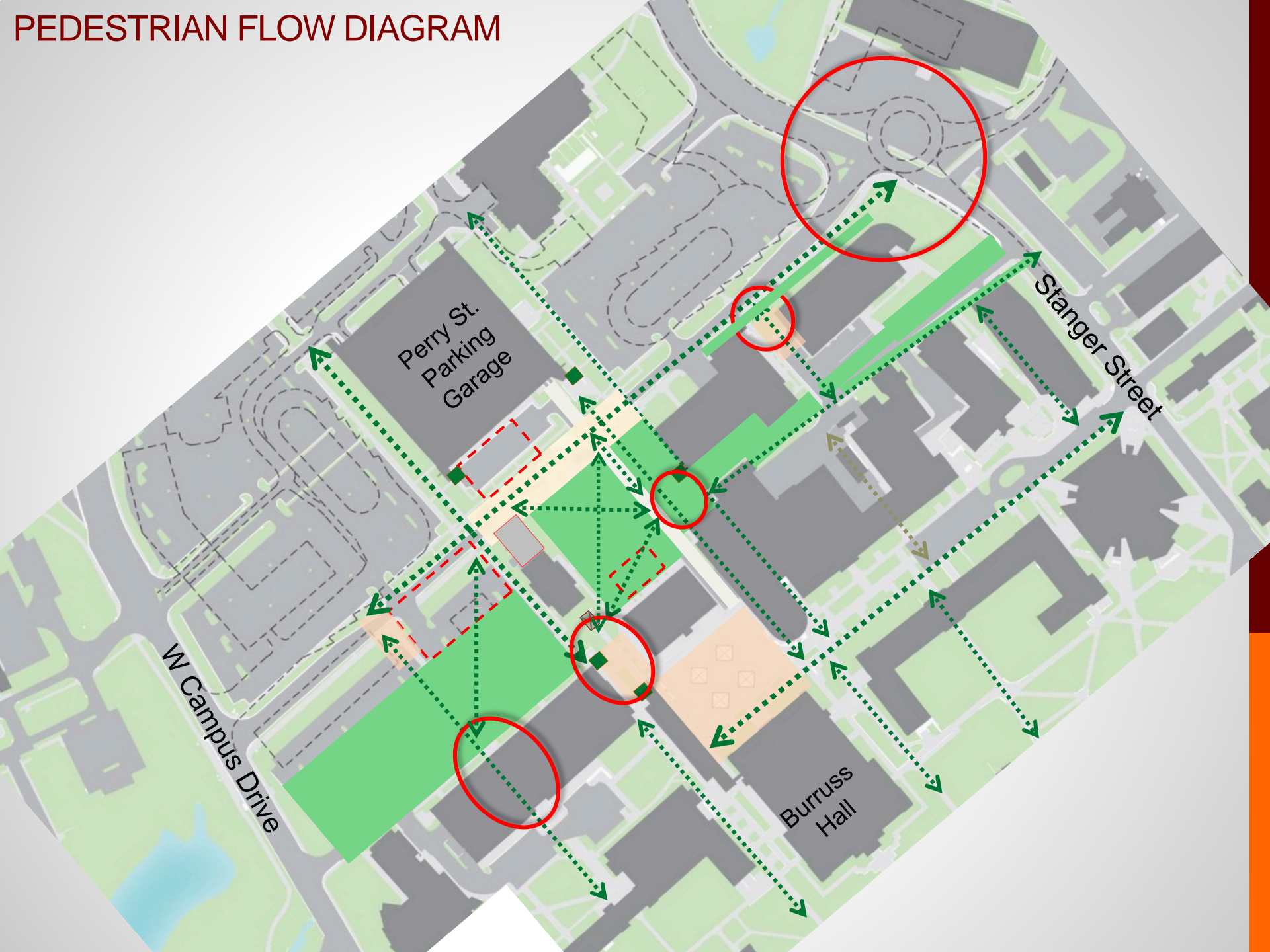


# EXISTING PRIMARY THRESHOLD CONDITIONS





# PEDESTRIAN FLOW DIAGRAM







Spatial Branding

Existing Lawn Behind Cowgill Hall



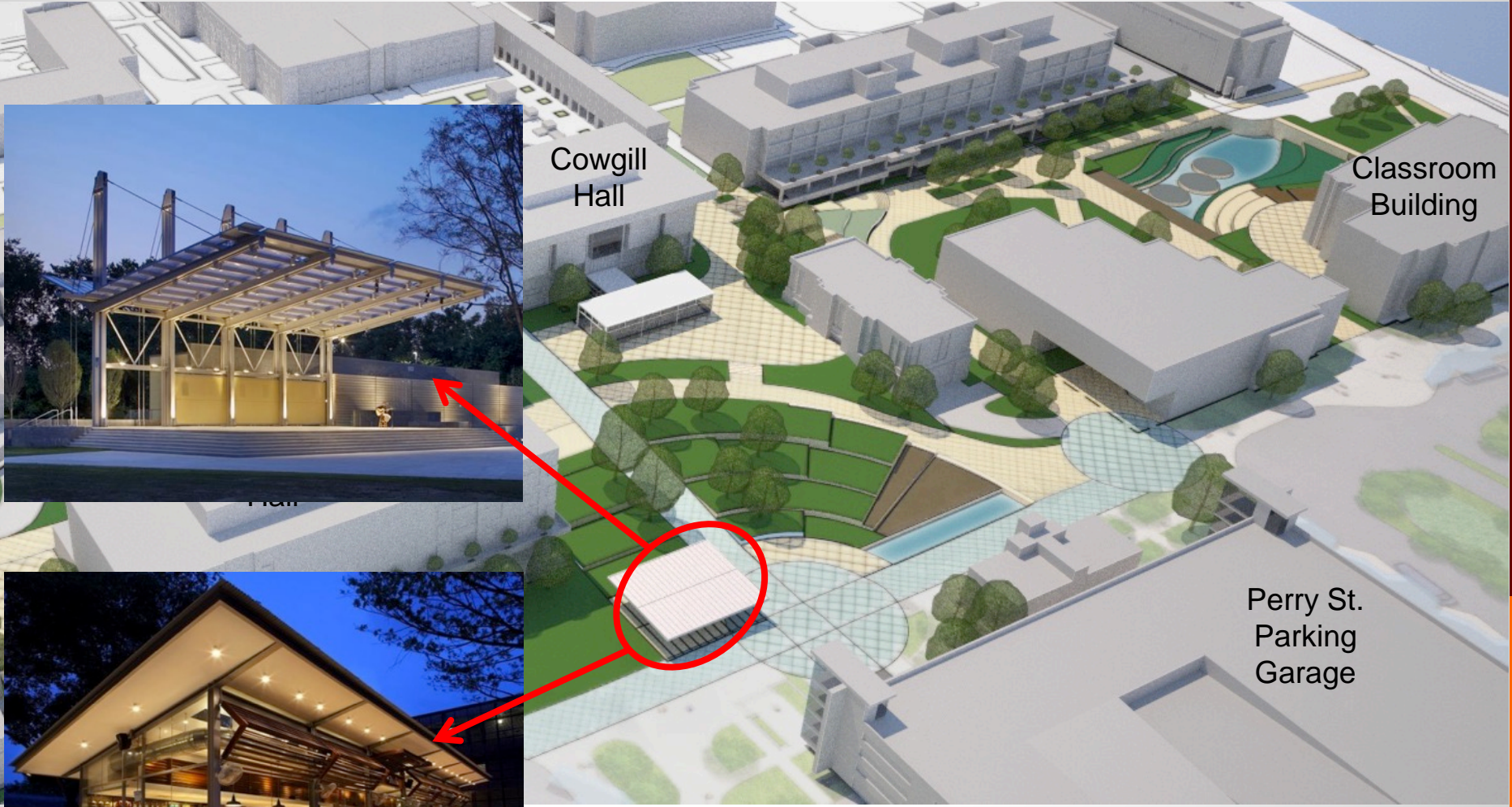
**Project Opportunities.....**

*San Diego State University,*

*Image sourced from estradalandplan.com*



# CONCEPT – BIRD'S EYE PERSPECTIVE

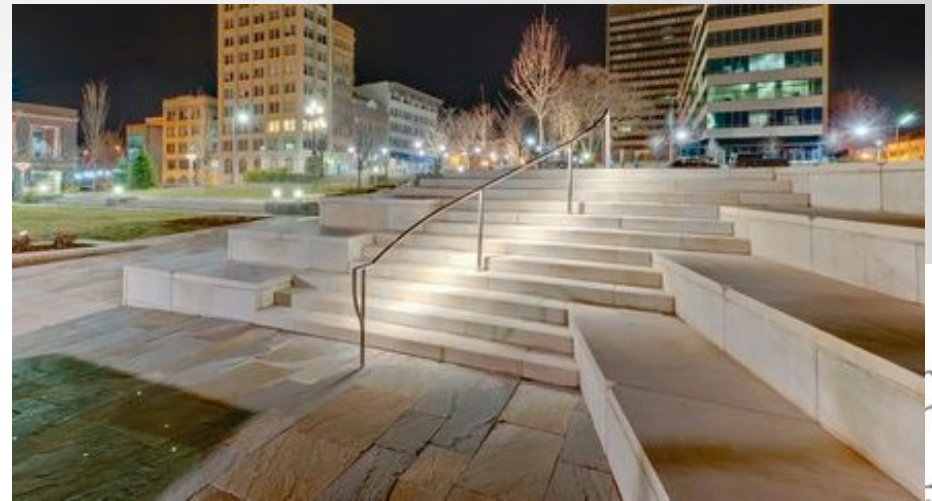




# OPENING SIGHTLINES AND ENHANCING THE PEDESTRIAN EXPERIENCE



Existing Condition



Conceptual Sketch



Existing Condition



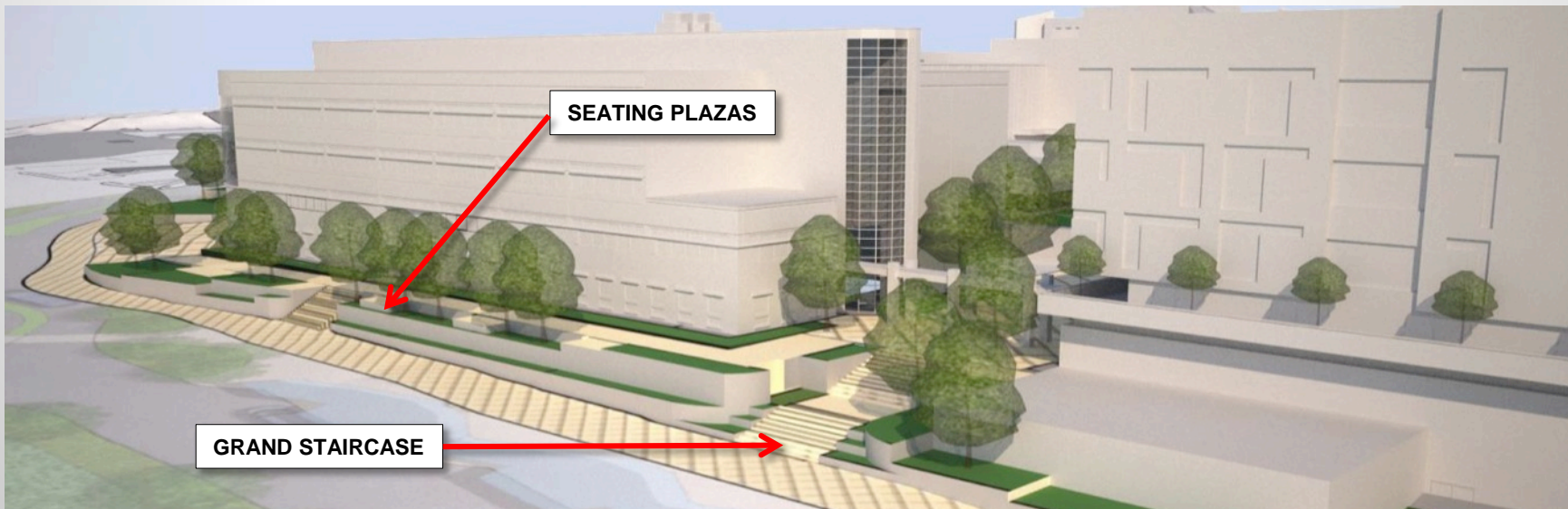
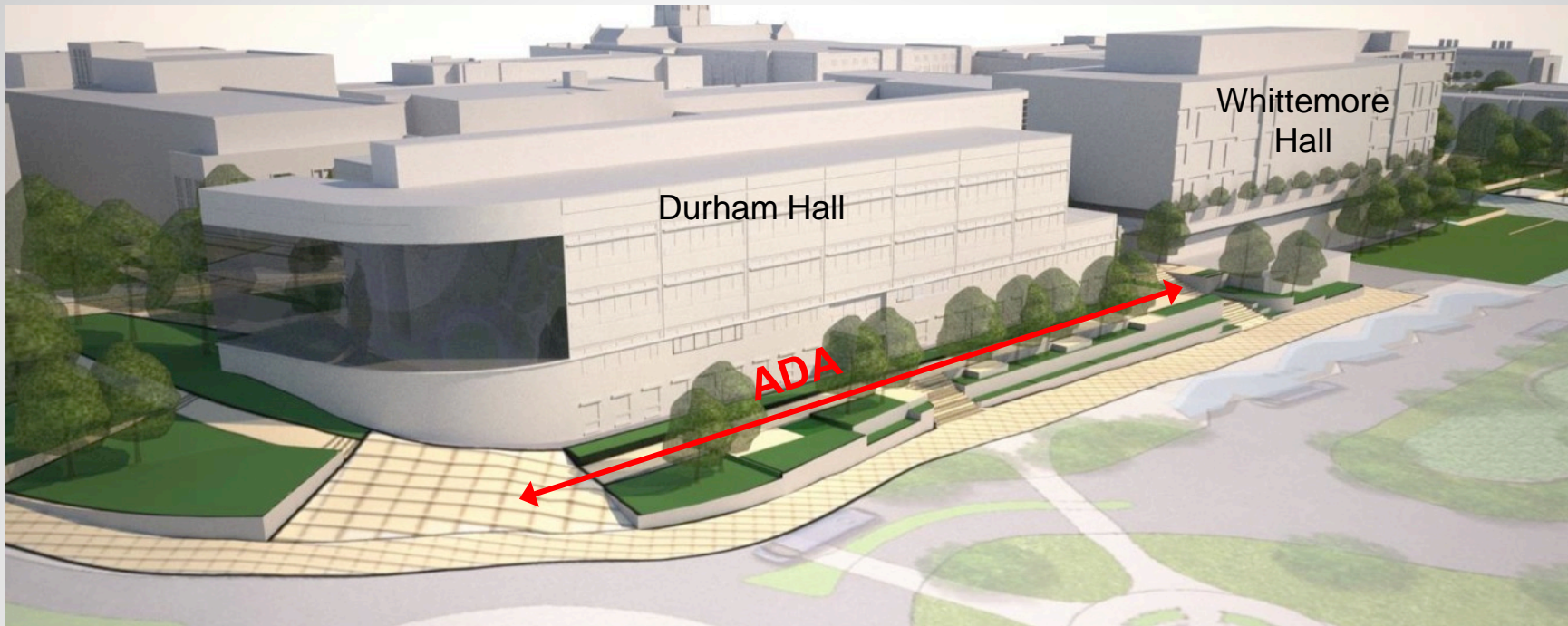


View of Durham Hall looking south





# DURHAM AND WHITTEMORE – ENHANCING PEDESTRIAN CONNECTIONS



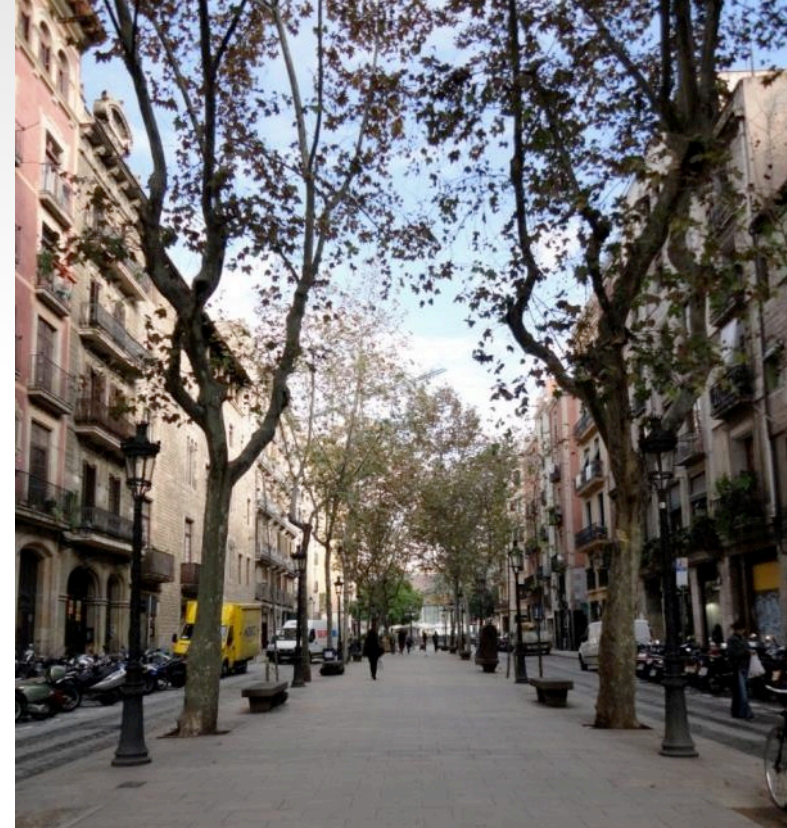
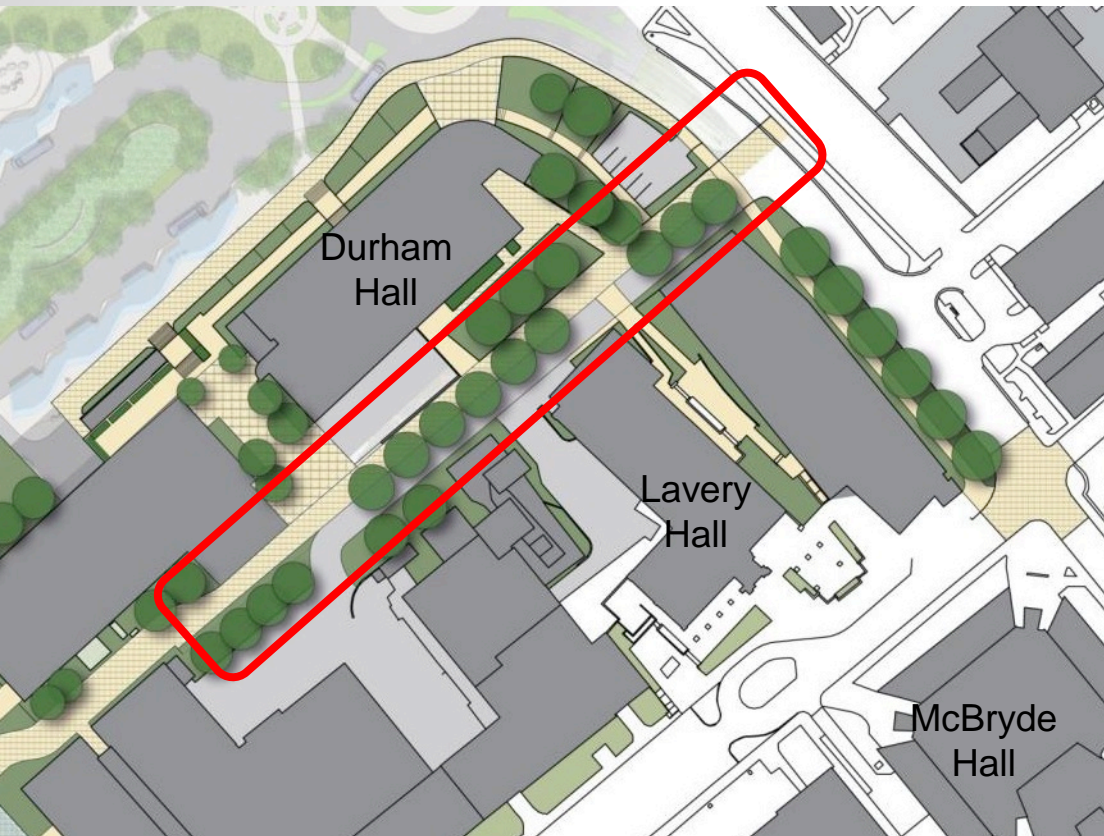




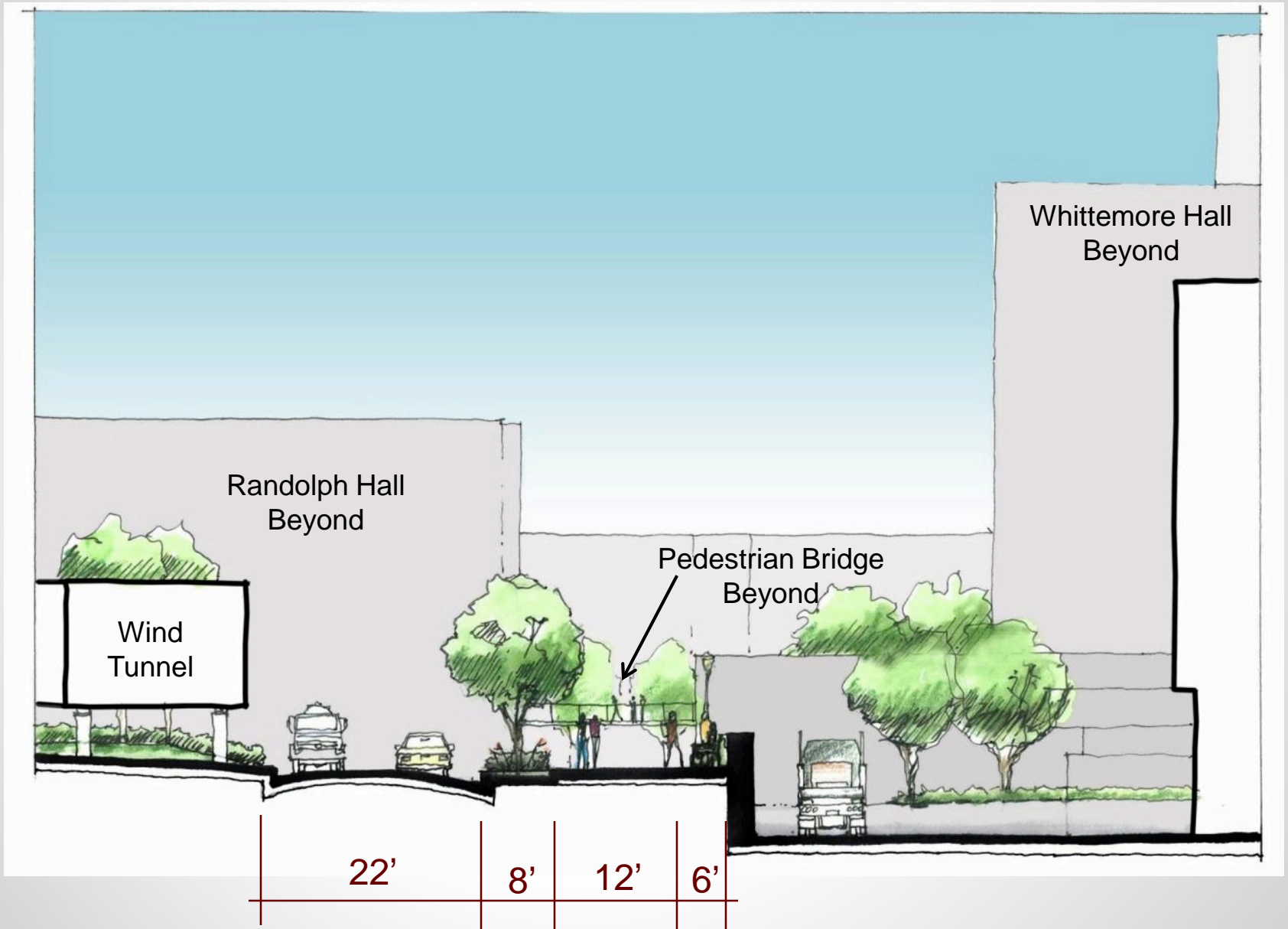
Service corridor behind Durham Hall



# PEDESTRIAN CORRIDOR WITH SERVICE ACCESS



# PROPOSED SECTION THROUGH SERVICE CORRIDOR







Existing Service Corridor



Conceptual Sketch



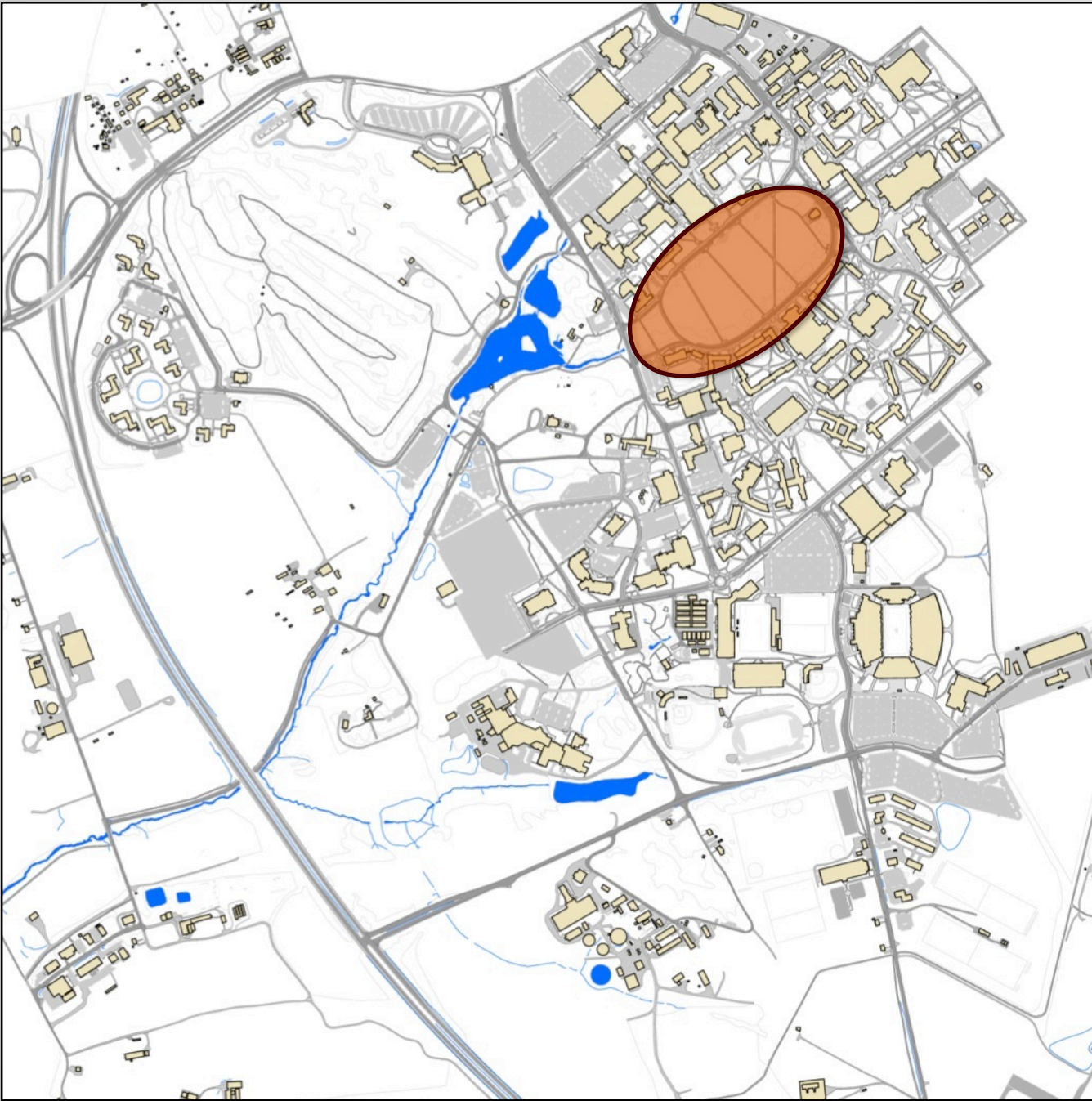
College Ave., Downtown Blacksburg



# RECAPTURING LOST SPACE







**ACADEMIC CORE: Drillfield**





**Academic**

**Drillfield**

**Student  
Life**





**Corps of Cadets**



**Events**



**Education / Small Groups**



**Recreation**

**User Groups**





**Transition Space**



**Modified Edge Parking**

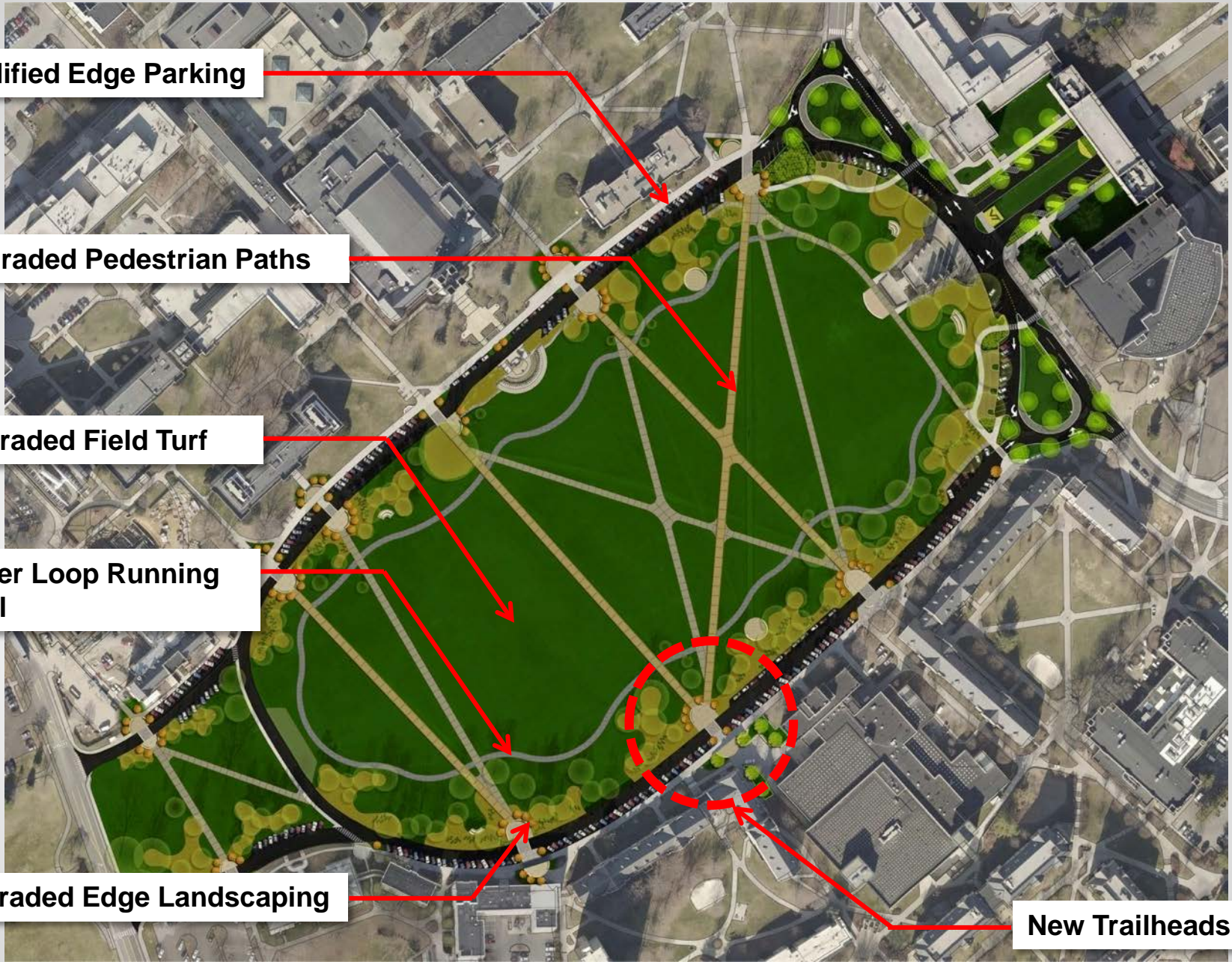
**Upgraded Pedestrian Paths**

**Upgraded Field Turf**

**Outer Loop Running Trail**

**Upgraded Edge Landscaping**

**New Trailheads**



**ACADEMIC CORE: Drillfield**





- Improved Seating Opportunities
- Upgraded Paths
- Upgraded Crosswalks and Lighting
- Consistent, Upgraded Site Furniture
- Improved Amenities, Including Wi-Fi
- Upgraded Landscape Treatment

## **ACADEMIC CORE: Drillfield – Typical Trailhead**





**Enhanced Lighting  
&  
Wi-Fi Availability  
Being Explored**

**ACADEMIC CORE: Drillfield – Enhanced Seating**

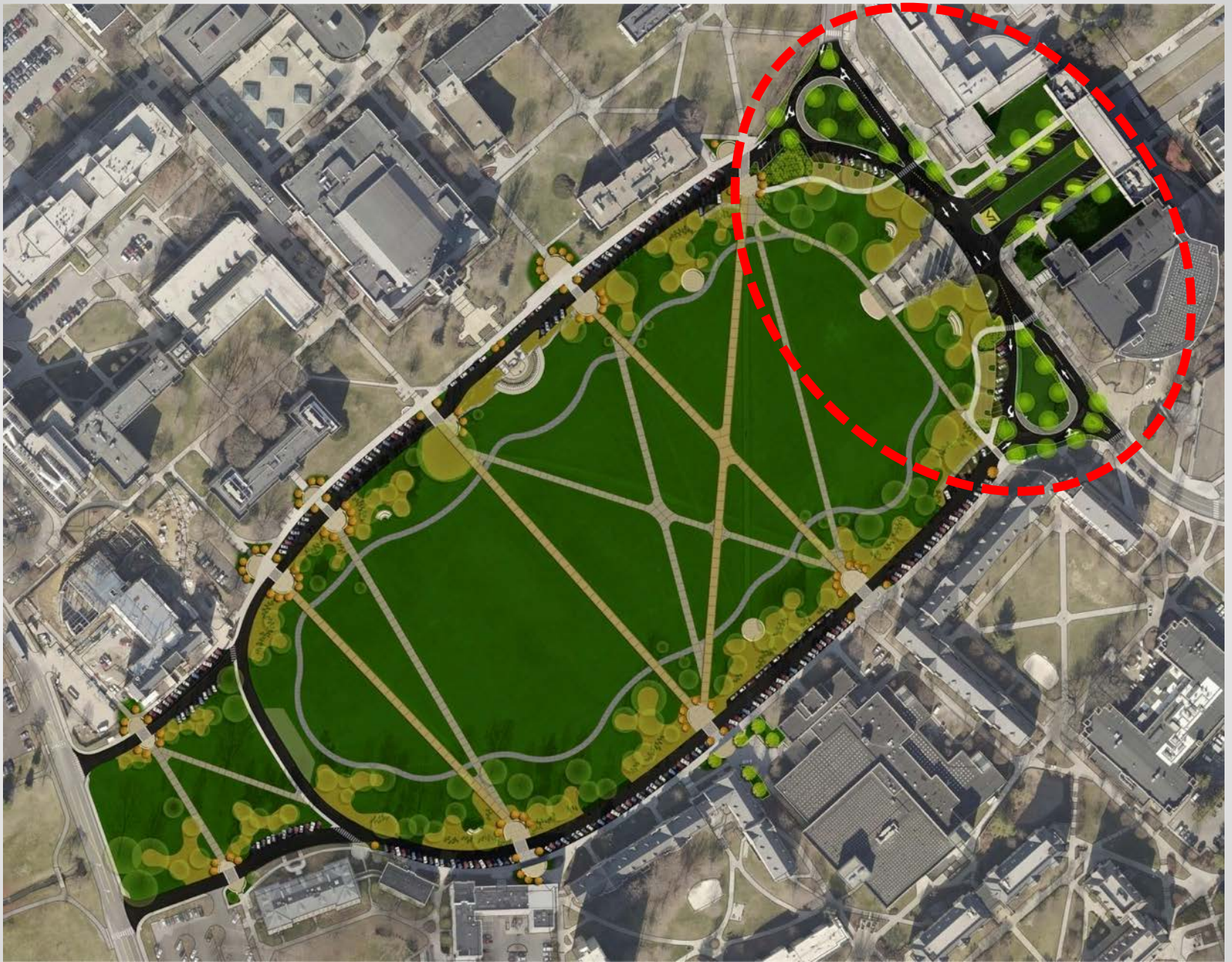
# *Drillfield Paths Committee Charge*

Explore (invent if necessary), test, and evaluate all weather and ADA compliant solutions to paths on the Drillfield in an effort to enhance the green-space aesthetic and multi-use purpose of this iconic area and provide a recommendation.

Interdisciplinary group includes representatives from:

- Student Representation
  - Undergraduate
  - Graduate
  - Civil Engineering / Sustainable Land Development Club
- College of Engineering
- Corps of Cadets
- College of Agricultural Sciences - Crop and Soil Environment Sciences
- College of Architecture and Urban Studies - Landscape Architecture
- College of Agricultural Sciences - Horticulture
- Human Resources – ADA
- Recreational Sports
- Facilities – Grounds Maintenance
- Office of University Planning (Chair)





**ACADEMIC CORE: Drillfield**





**DRILLFIELD ROAD IMPROVEMENTS – Existing Aerial Photo**





**Collaborative review with stakeholders including:**

- Parking & Transportation Office
- Site & Infrastructure Development Office
- Town of Blacksburg
- Blacksburg Transit
- Town of Blacksburg Traffic Engineers
- Arboretum Committee
- Others





**ACADEMIC CORE: Alumni Mall – Parking Enhancements**

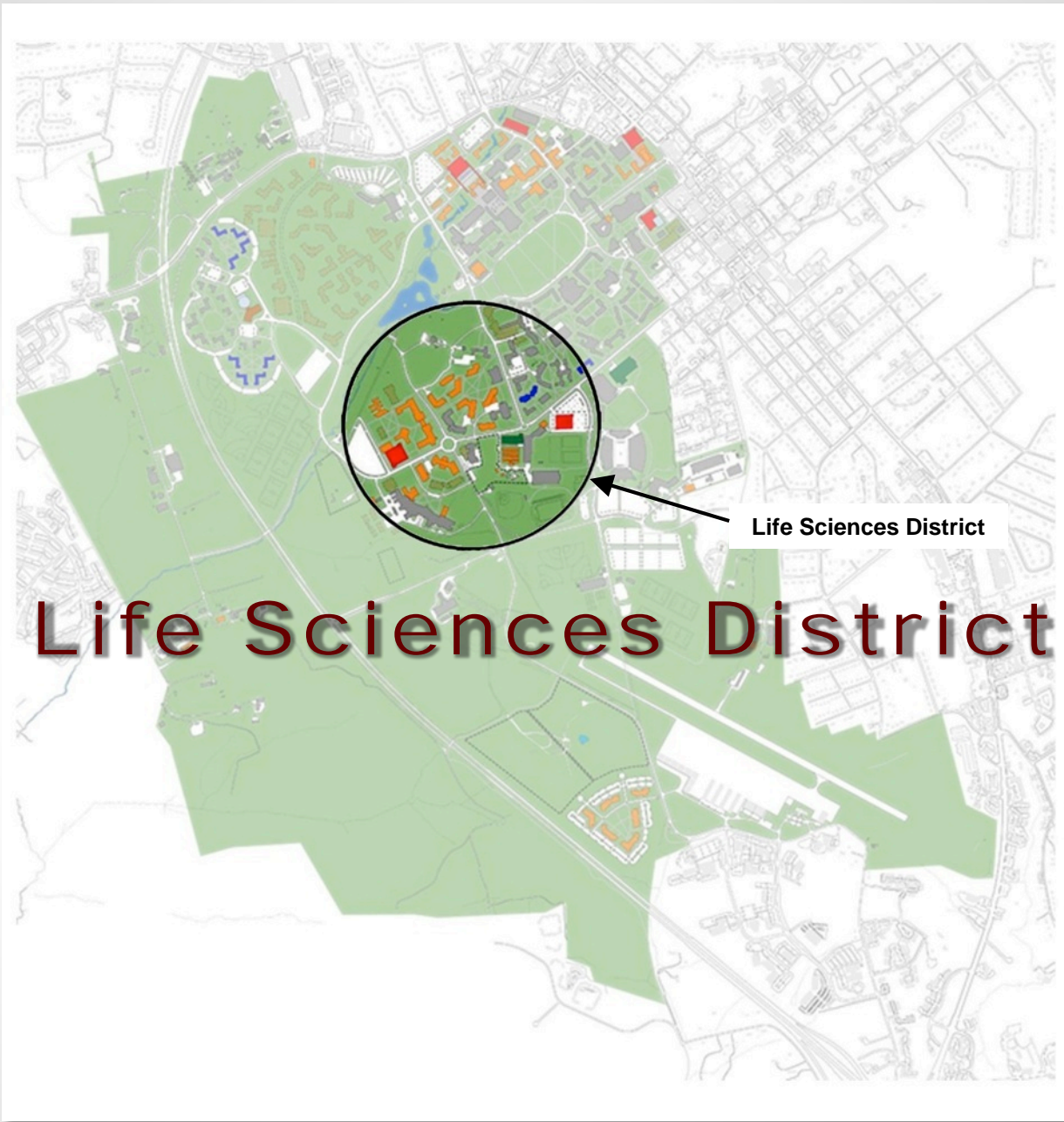




Before



After



Life Sciences District

# Life Sciences District



# Life Sciences District

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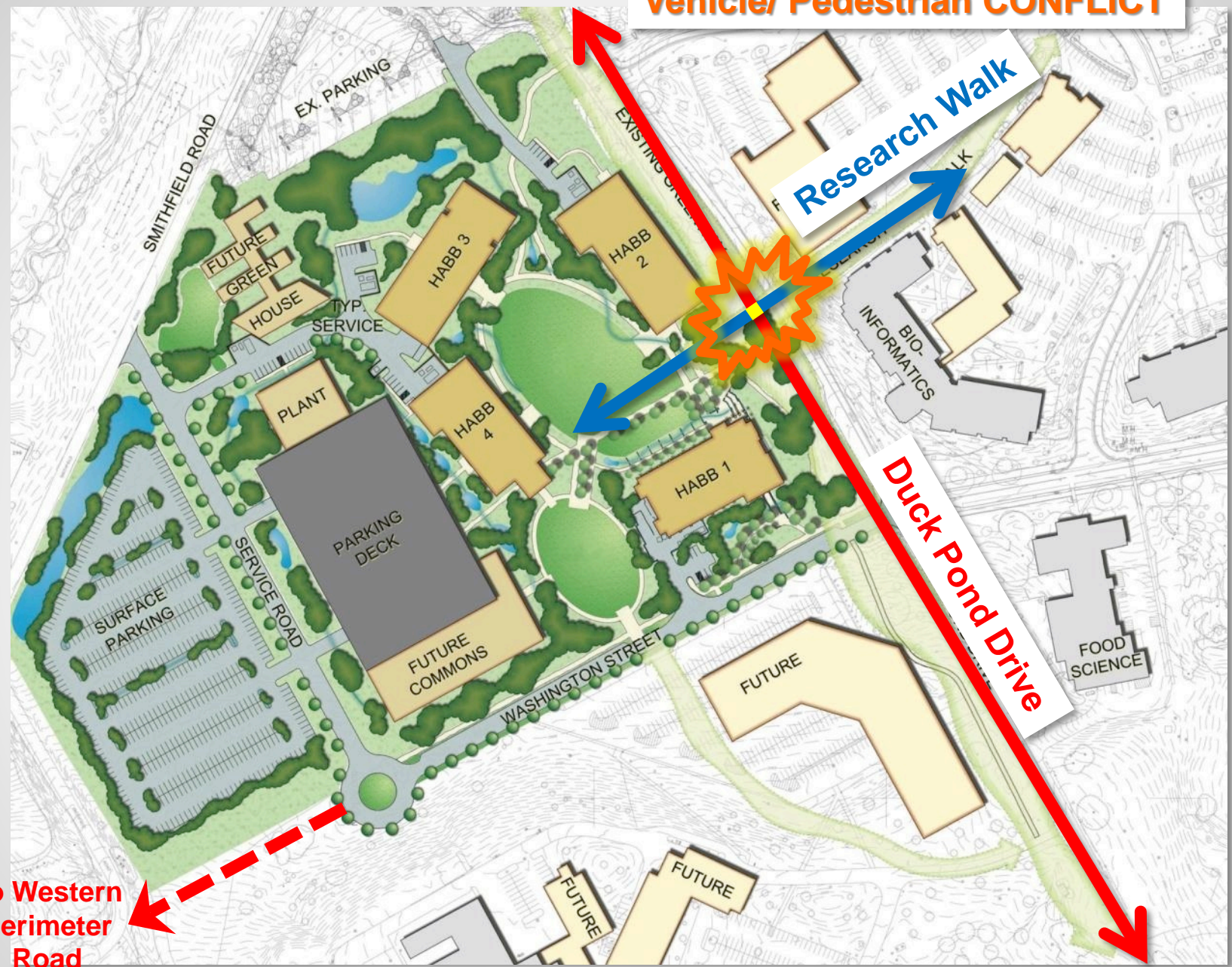
## *Upcoming Changes*

**Vehicle/ Pedestrian CONFLICT**

**Research Walk**

**Duck Pond Drive**

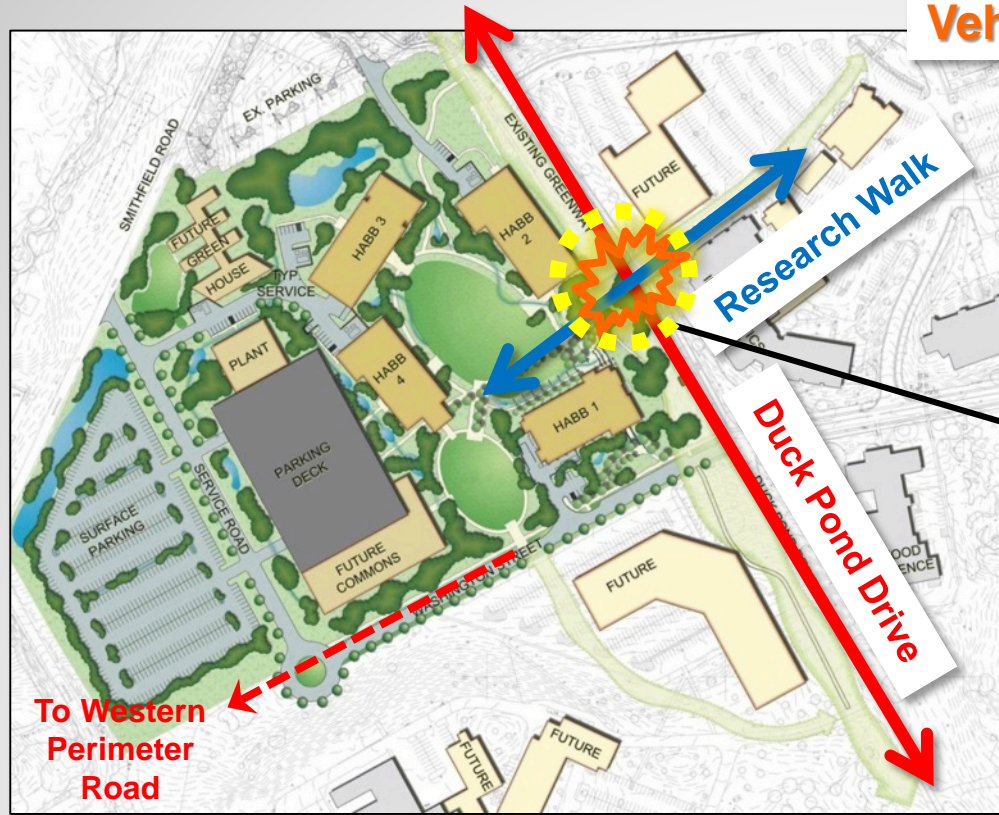
**To Western Perimeter Road**



**LIFE SCIENCES District MP (The "CAGE")**



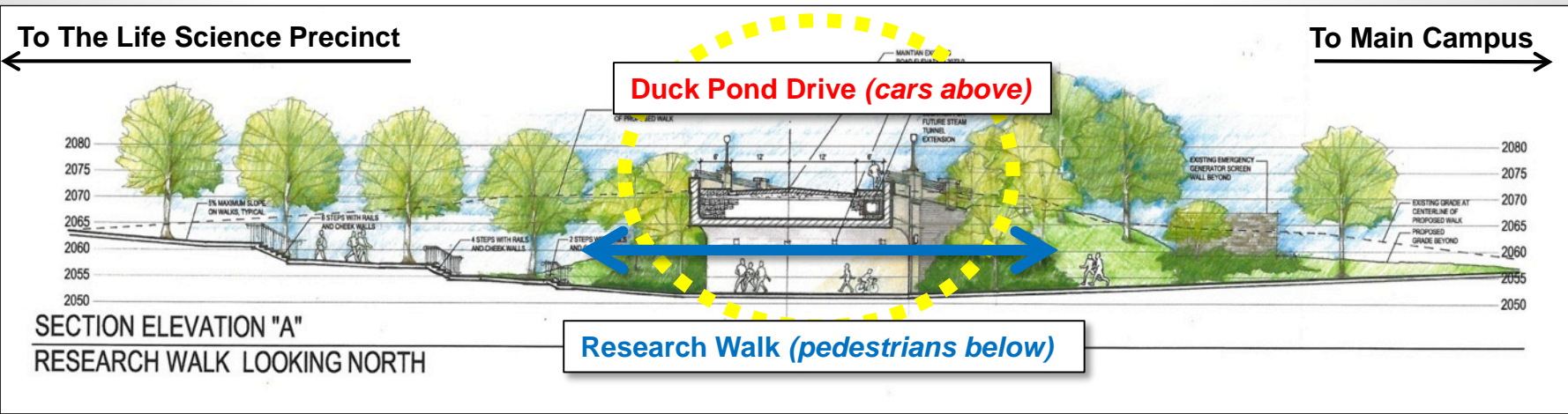
# Vehicle/ Pedestrian SOLUTION



Grade Separated Paths

To The Life Science Precinct

To Main Campus



Research Walk (pedestrians below)

# LIFE SCIENCES DISTRICT: Research Walk





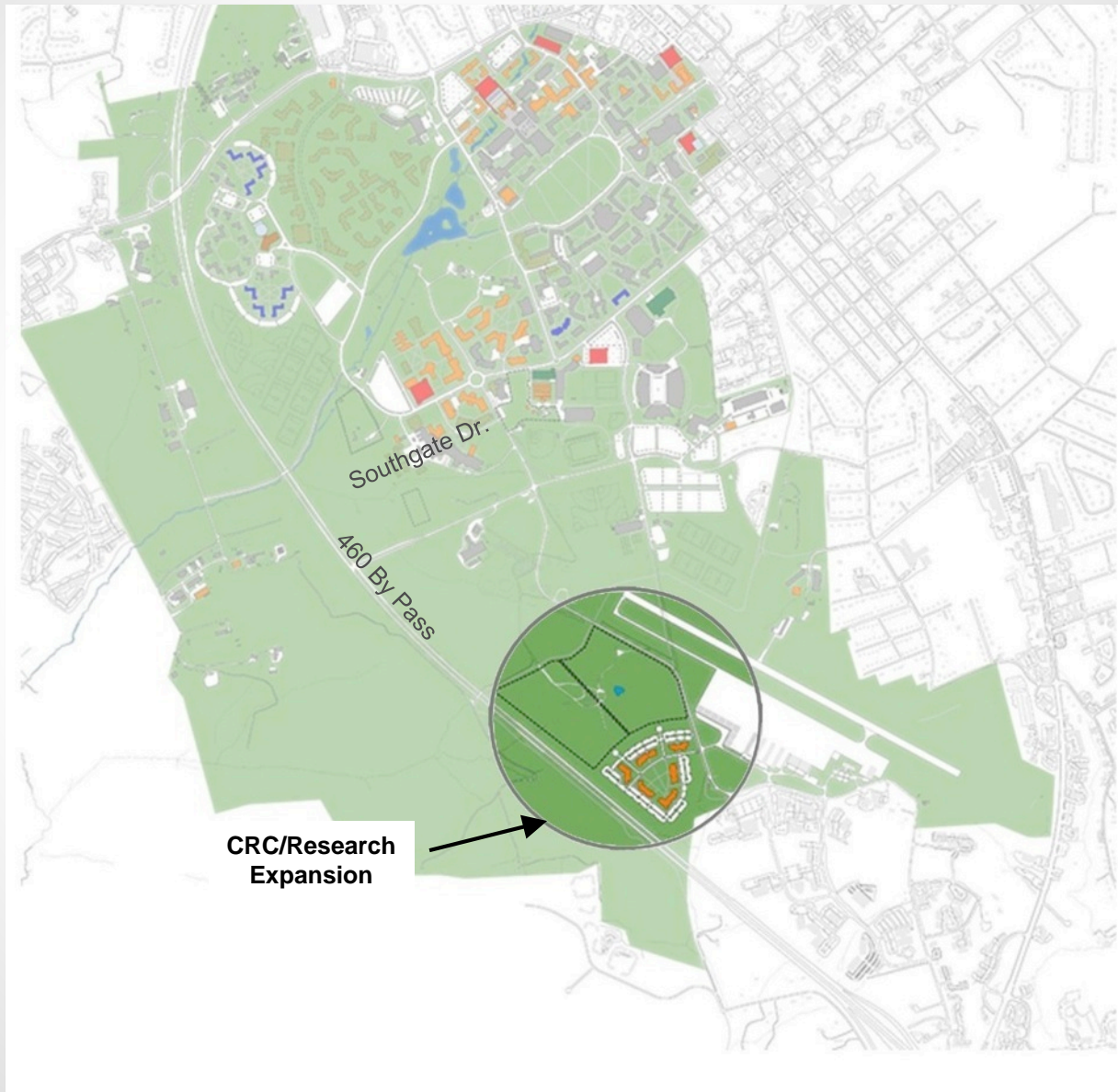
**VT can do better!**  
-Include Plazas  
-Banners  
-Other

**Texas A&M Pedestrian Tunnel**



# CRC / Research District

## *Upcoming Changes*







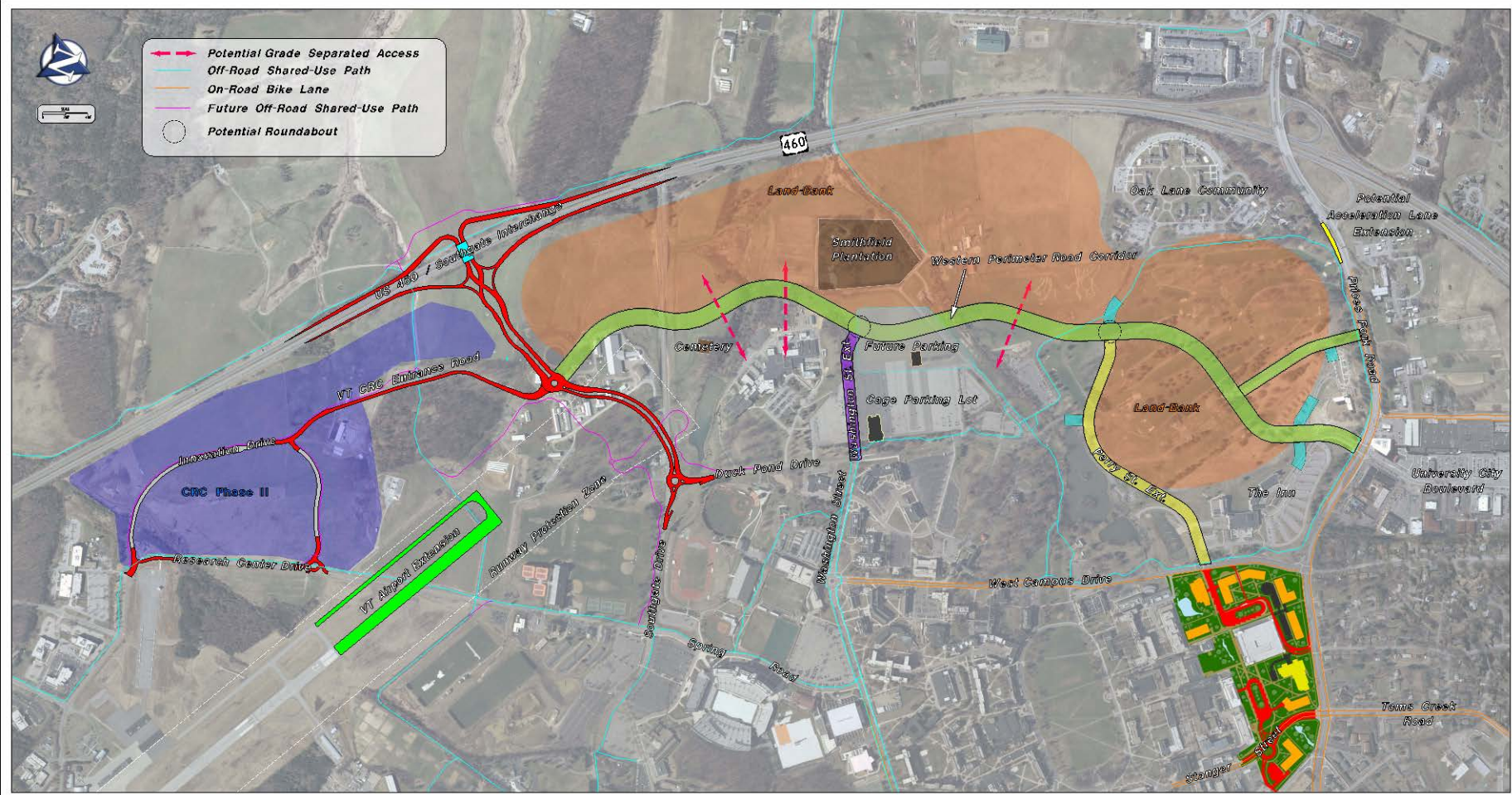
**CRC / RESEARCH DISTRICT: Transportation Enhancements**





**CRC / RESEARCH DISTRICT – New Entry Sequence**

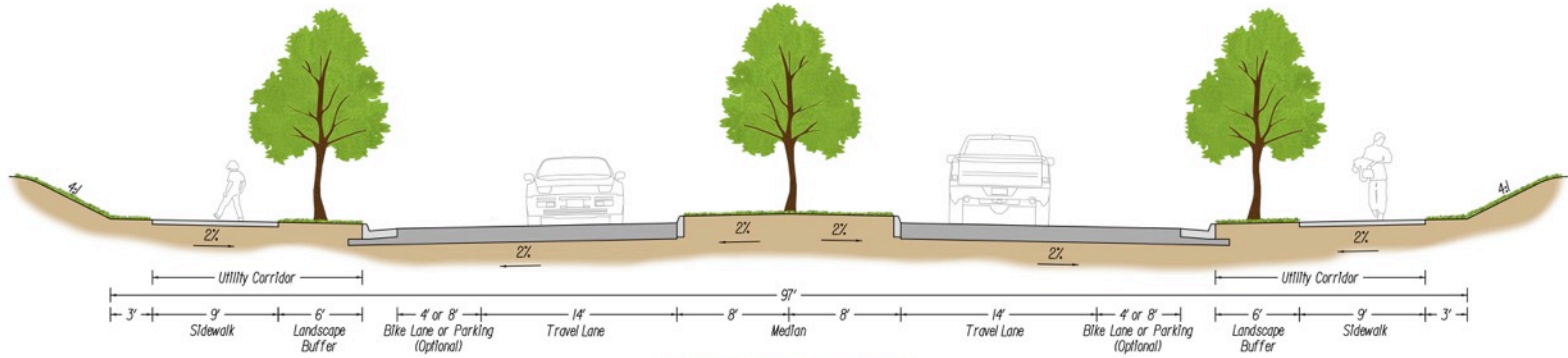




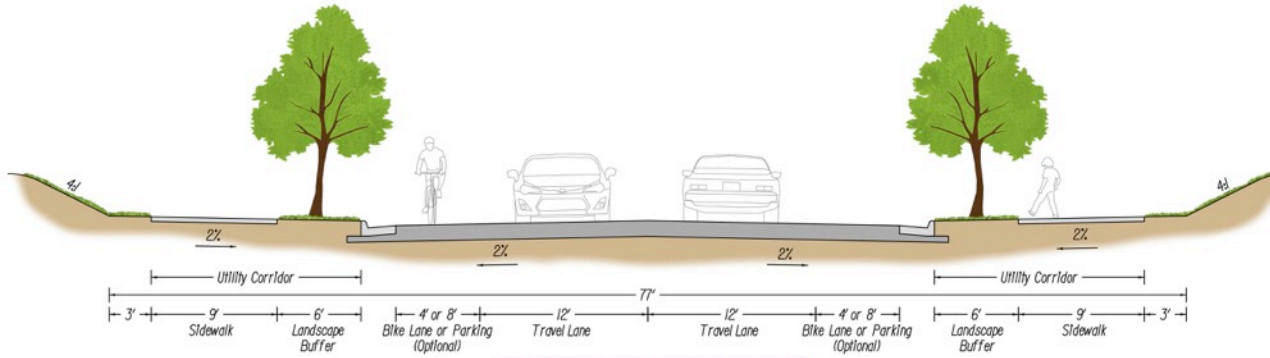
**LIFE SCIENCES DISTRICT: Western Perimeter Road**



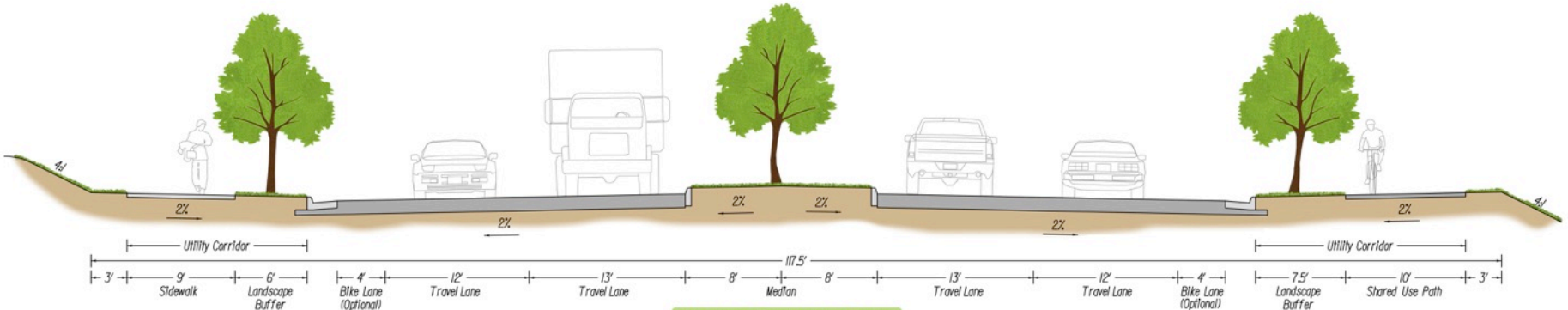
# Typical Sections



Perry Street Extension



Washington Street Extension



Western Perimeter Road

# Campus-Wide Initiatives





**CHEATHAM- WEST END MARKET WALKS- PROPOSED IMPROVEMENTS**

Virginia Tech Office of University Planning 1" = 20' 04/21/14





**ENHANCING THE OUTDOOR ENVIRONMENT- "Pocket Parks"**





Spring 2014



Fall 2014



Spring 2014



Fall 2014

**ENHANCING `THE OUTDOOR ENVIRONMENT- "Pocket Parks"**



Spring 2014



Fall 2014



**ENHANCING THE OUTDOOR ENVIRONMENT- "Pocket Parks"**





## ENHANCING THE OUTDOOR ENVIRONMENT- Crosswalks



# Wayfinding

## Successful wayfinding:

- **Is Easy** to understand & use
- Reflects **Virginia Tech's Culture** and reinforces our **Brand**
- **Compliments** our unique **Architecture** and campus **Landscapes**





# Bike Parking Master Plan

## GOALS

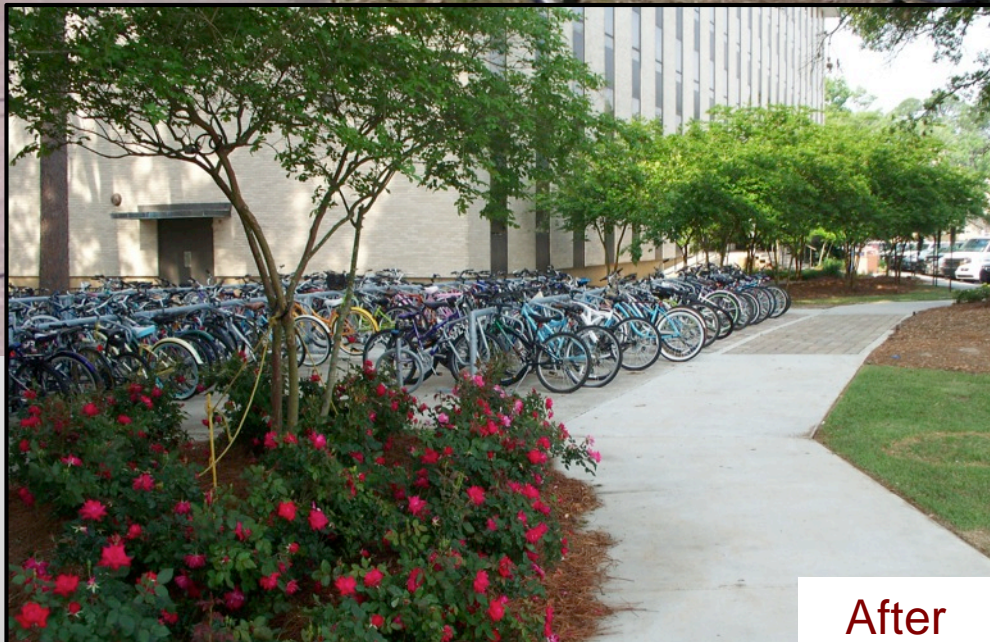
- QUANTITY
- LOCATION
- DESIGN STANDARD



UPPER QUAD ZONE	DOWNTOWN CAMPUS ZONE
SOUTH DRILLFIELD ZONE	ATHLETIC ZONE



Before



After



**Questions / Comments**