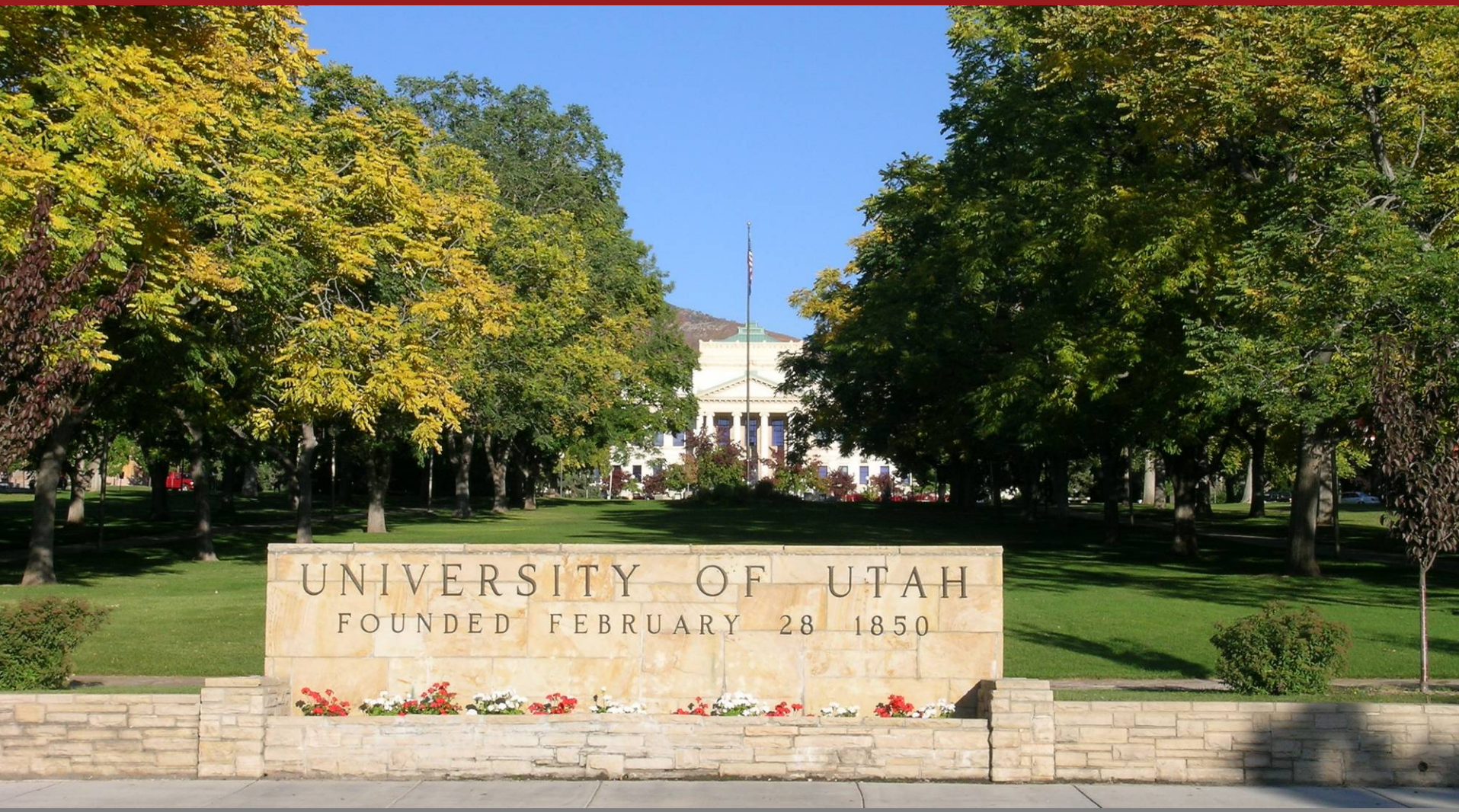
THE UNIVERSITY OF UTAH CAMPUS MASTER PLAN

Utah State Board of Regents



Board of Regents September 5, 2008

The University of Utah-Campus Master Plan - Microsoft Internet Explorer provided by SOM SF

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CAMPUS MASTER PLAN
THE UNIVERSITY OF UTAH

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- Introduction
- Vision and Planning Directives
- Project Timeline
- Submit Comments
- Master Plan Home Page

RELATED WEBSITES

- Facilities Planning
- U Home Page

Keeping U Posted

The University of Utah's Campus Master Plan has been underway since the beginning of the year, led by the efforts of Skidmore, Owings & Merrill LLP (SOM) and the University Facilities Planning Department with the collaboration of campus and community members. SOM, in conjunction with its consultants and members of the University, is developing this Master Plan for the University of Utah with the goal of creating a vibrant campus for students and an inviting atmosphere for the greater community.

As part of the on-going Campus Master Planning process an all-day design charrette was held on August 22, 2007 to engage members of the

CMP BULLETIN BOARD

U of U Town Hall Meeting University Faculty, Students, and Staff

October 4, 2007
Details . . .

U of U Community Workshop

October 4, 2007
Details . . .

Interactive Campus Map

Internet

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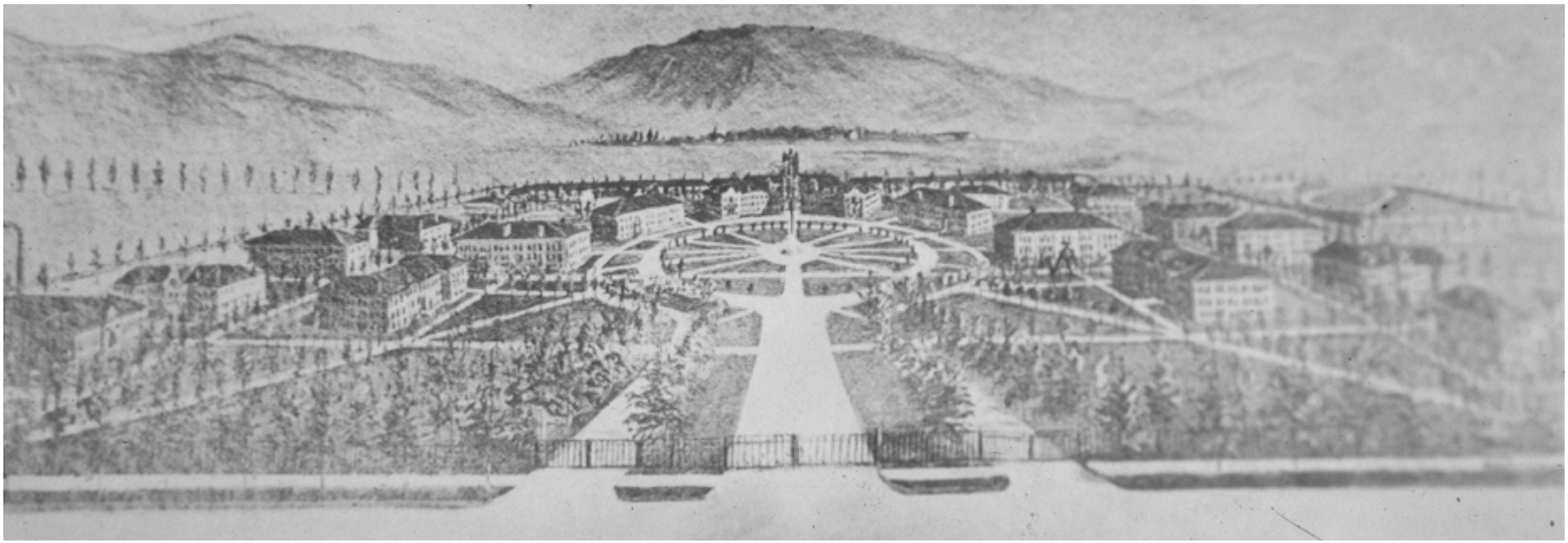
Major Consultants

- **Skidmore, Owings & Merrill LLP**
  - Campus Planning and Design
- **Hargreaves Associates**
  - Landscape Architects
- **Fehr & Peers**
  - Transportation Planning
- **Ira Fink & Associates**
  - Space Needs, Demographics & Housing Assessment

THE UNIVERSITY OF UTAH

The U's First Master Plan **circa 1880**



Utah architect Richard Kletting, who designed the Utah State Capitol Building, was commissioned to create a plan for the campus.

THE UNIVERSITY OF UTAH

Ten-Year Building Program 1957

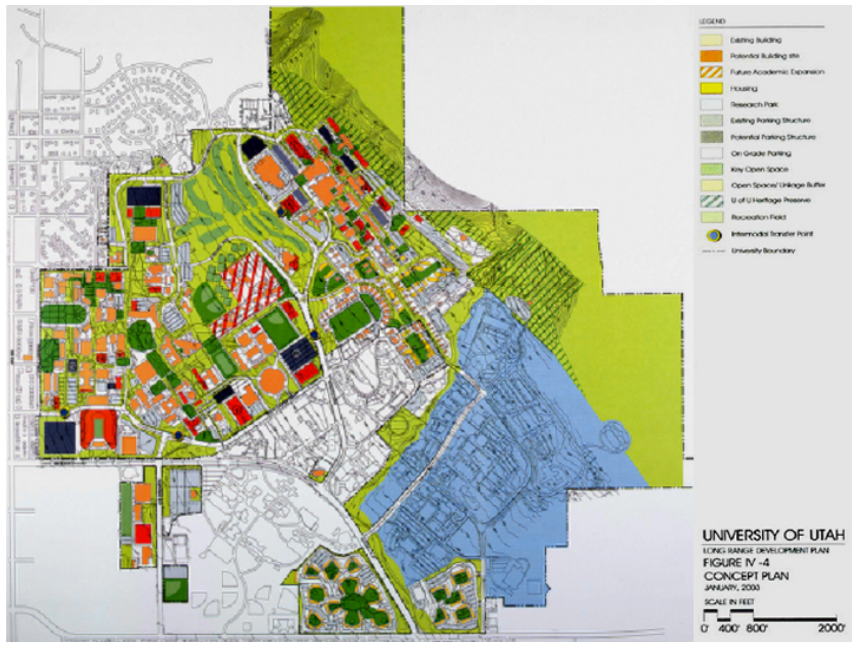
- President A. Ray Olpin (1946-1964) oversaw the University's next major planning phase.
- In 1957 President Olpin embarked on a ten-year building program.
- Student enrollment grew from 4,000 to 12,000, the campus quadrupled in size, and 30 buildings were completed.

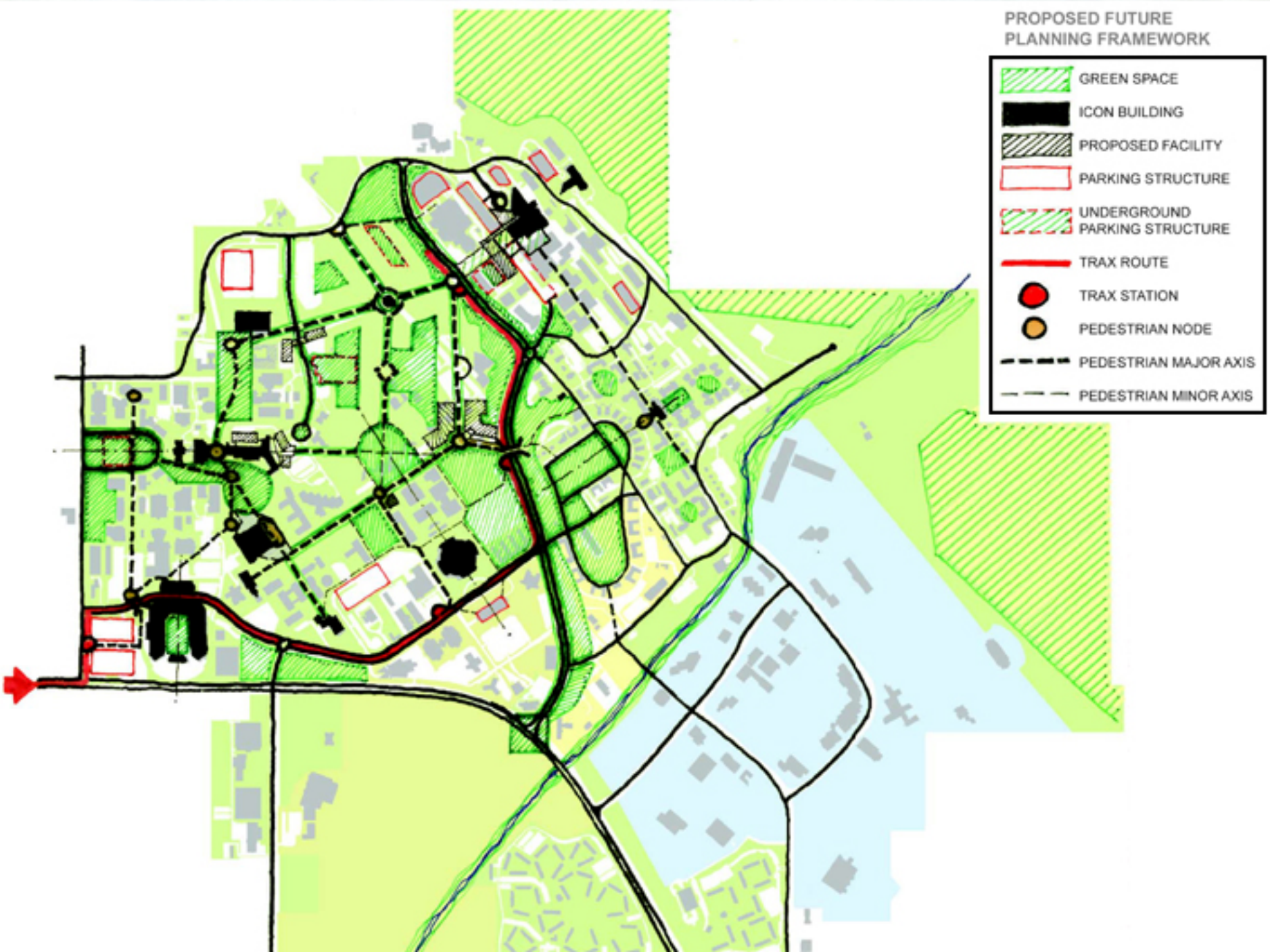
Long Range Development Plan

40 Years Later

- Expansion of Housing
- Best Location for Housing
- Re-Use of Fort Douglas
- Possibility of Olympics
- Land Use
- Transportation
- Open Space
- Heritage Preserve

1997 LRDP




PROPOSED FUTURE
PLANNING FRAMEWORK
GREEN SPACE
ICON BUILDING
PROPOSED FACILITY
PARKING STRUCTURE
UNDERGROUND
PARKING STRUCTURE
TRAX ROUTE
TRAX STATION
PEDESTRIAN NODE
PEDESTRIAN MAJOR AXIS
PEDESTRIAN MINOR AXIS

Master Plan Vision

- A lively campus; a magnet for student, faculty, staff and public life;
- State of the art facilities to support university's mission for teaching, research and public life;
- A setting to foster interdisciplinary collaboration and interaction;
- Campus as a destination for the public;
- Functional and sustainable transportation;
- Capitalize on the natural landscape setting;
- Leadership in environmental stewardship.

Process - - Community Input

Community Input: What we've heard

- **Theme 1: Consultation Process**
  - Planning process must involve the public.
  - University needs to establish opportunities ongoing consultation & interaction.

- **Theme 2: Campus Growth**
  - Manage campus growth responsibly – limit growth, focus growth.
  - Mitigate growth impacts.
  - Mixed use opportunities in surrounding community.

- **Theme 3: Open Space**
  - Existing open spaces are important, positive elements of the campus.
  - High quality and sustainable open spaces that serve a range of users should be promoted.

- **Theme 4: Transportation**
  - What are the traffic impacts associated with future growth?
  - Promote alternative transportation (TRAX, Campus Shuttle, City Bus).
  - Pedestrian connections are limited or missing – topography is an issue.
  - Bicycle facilities and routes need upgrading.

Campus Master Plan Process

	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Key Tasks	**Start up** • Data Collection • Reconnaissance Tours	**Discovery** • Site Selection Studies • Master Plan Vision • Background Studies • Space Needs Assessment • Transportation & Parking • Building Assessments	**Planning Concepts** • Guiding Principles • Land Use Alternatives • Charrette • Selection of Preferred Scheme	**Refine Strategy** • Land Use Plan • Housing Plan • Open Space Plan • Student Life Plan • Transportation Plan • Physical Model • Cost Estimate	**Plan Documentation** • Preparation of Master Plan report
Meetings	• "Kick off" Meeting • Presentation of initial observations	• Stakeholder meetings • Planning Group meeting • Steering Committee meeting	• Planning Group meeting • Steering Committee meeting • Community Workshop 1 • Town Hall Meeting 1	• Planning Group meeting • Steering Committee meeting • Community Workshop 2 • Town Hall Meeting 2	• Planning Group meeting • Steering Committee meeting • Community Workshop 3 • Town Hall Meeting 3

Process Highlights:

President's Steering Committee

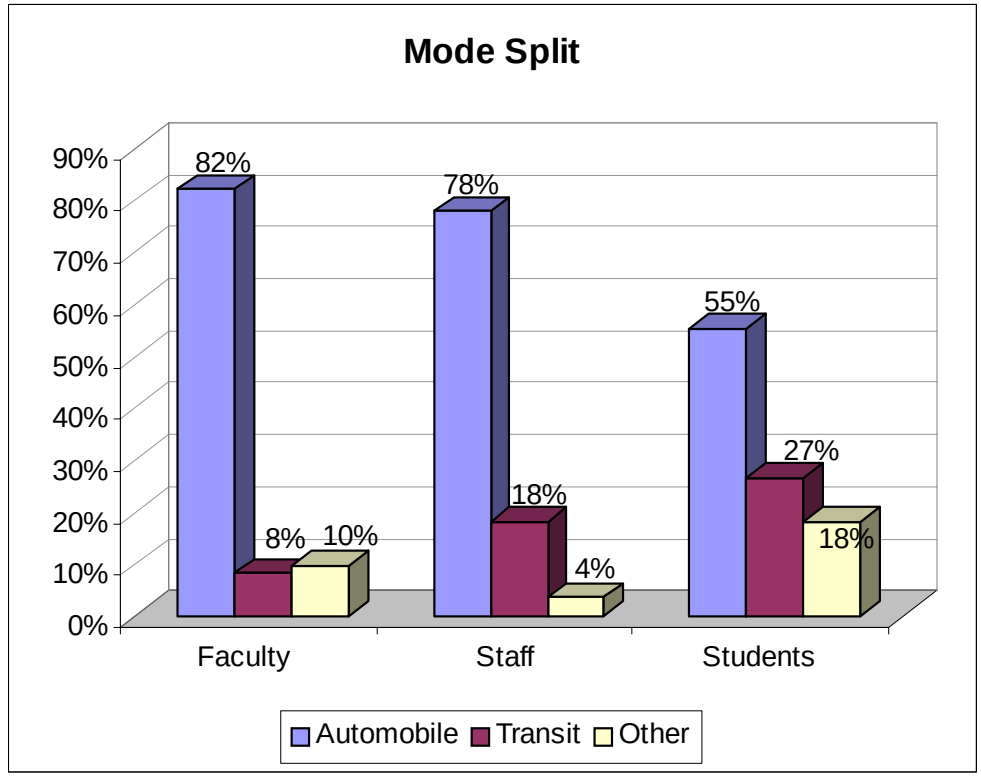
Planning Group

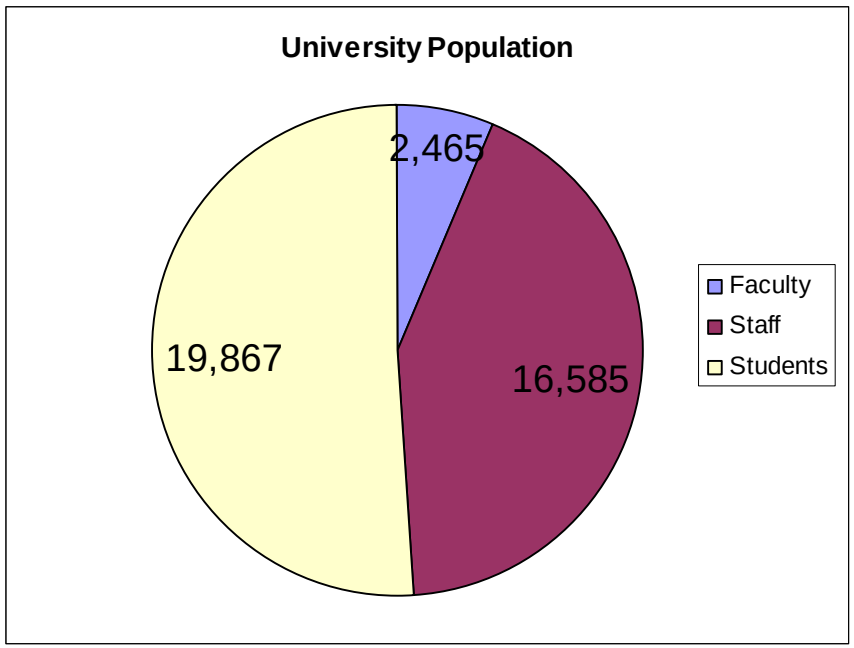
Over 140 meetings (SOM)

3 Community Forum & Town Hall Meetings

Travel Patterns and Demographics

- Who drives?
- Who uses transit?
- Who can be encouraged to drive less and use transit?



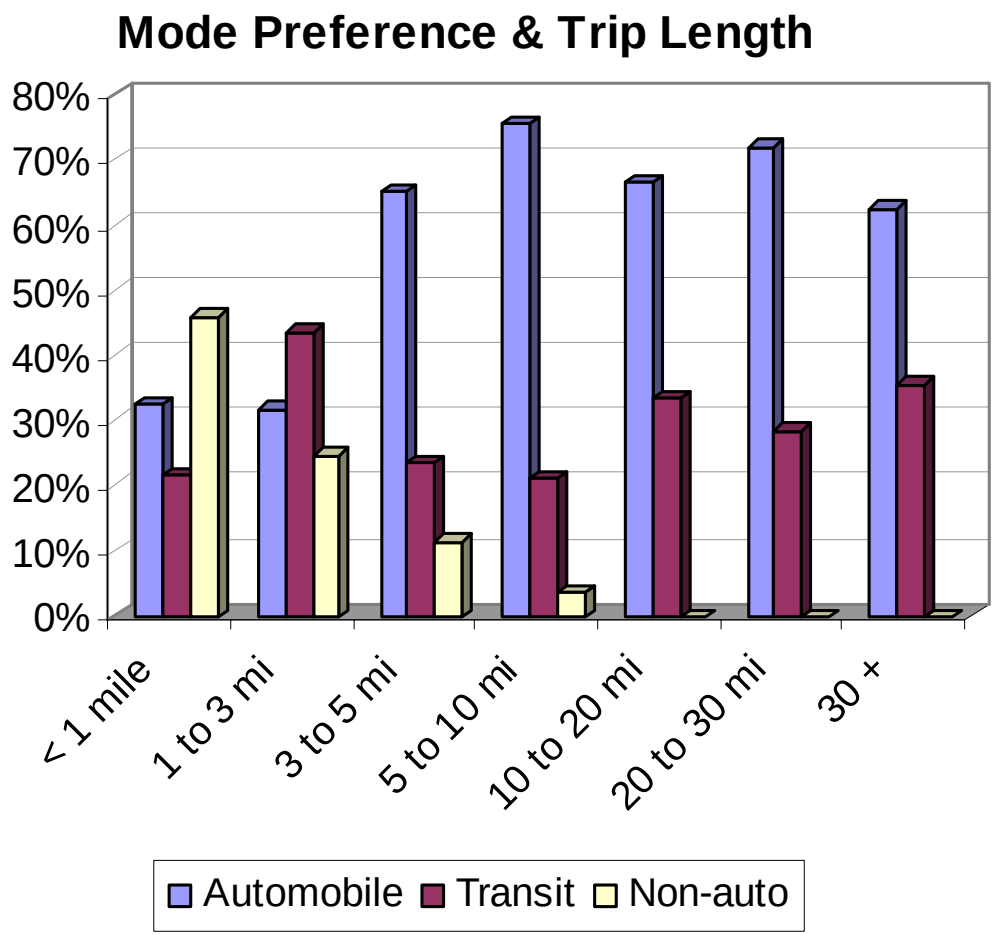


- Students + staff = 94% U of U population

Source: Ira Fink & Associates, 2007

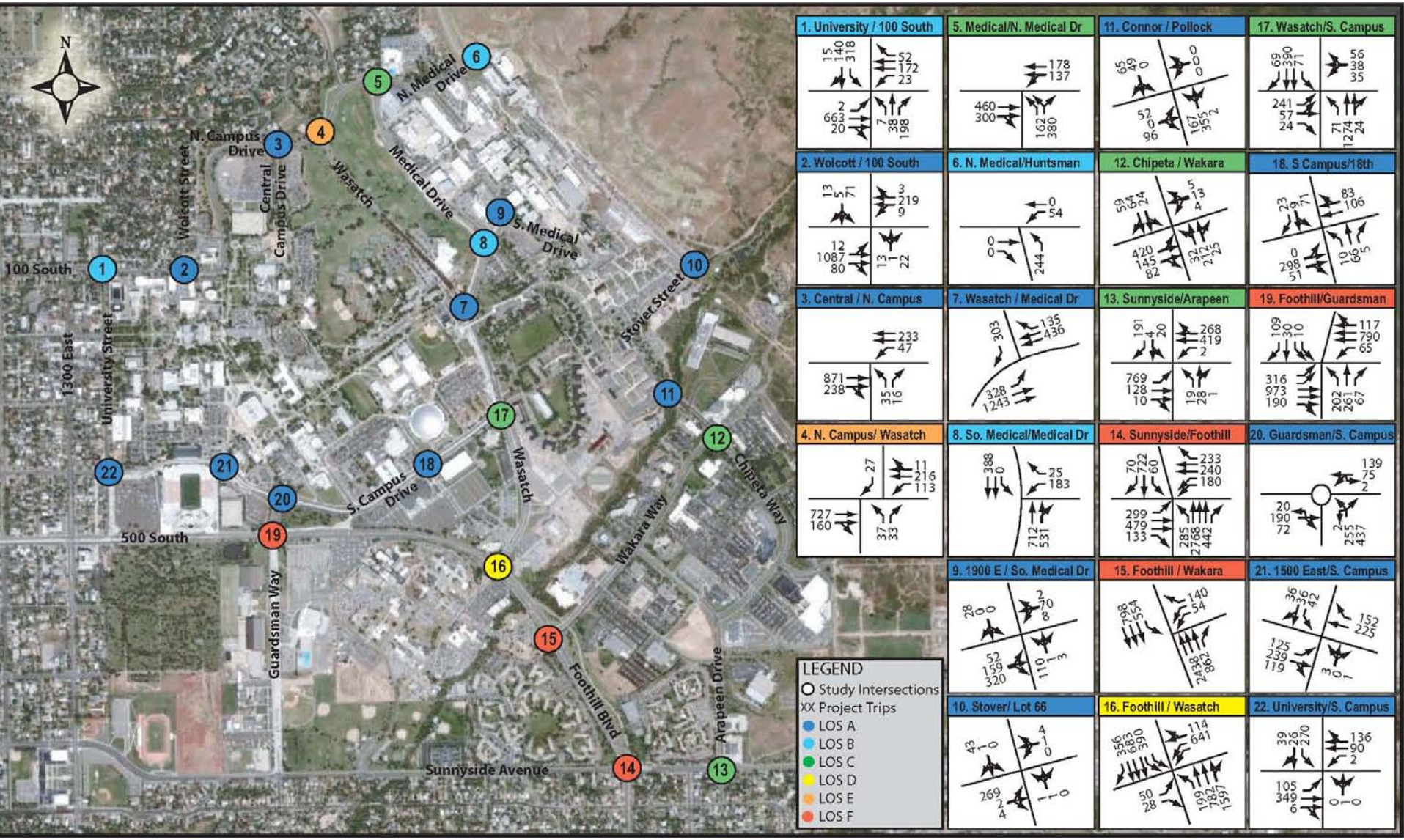
Travel Patterns and Demographics (Students)

- Target groups based on proximity to campus
- Non-auto
- Transit
- Carpool / vanpool

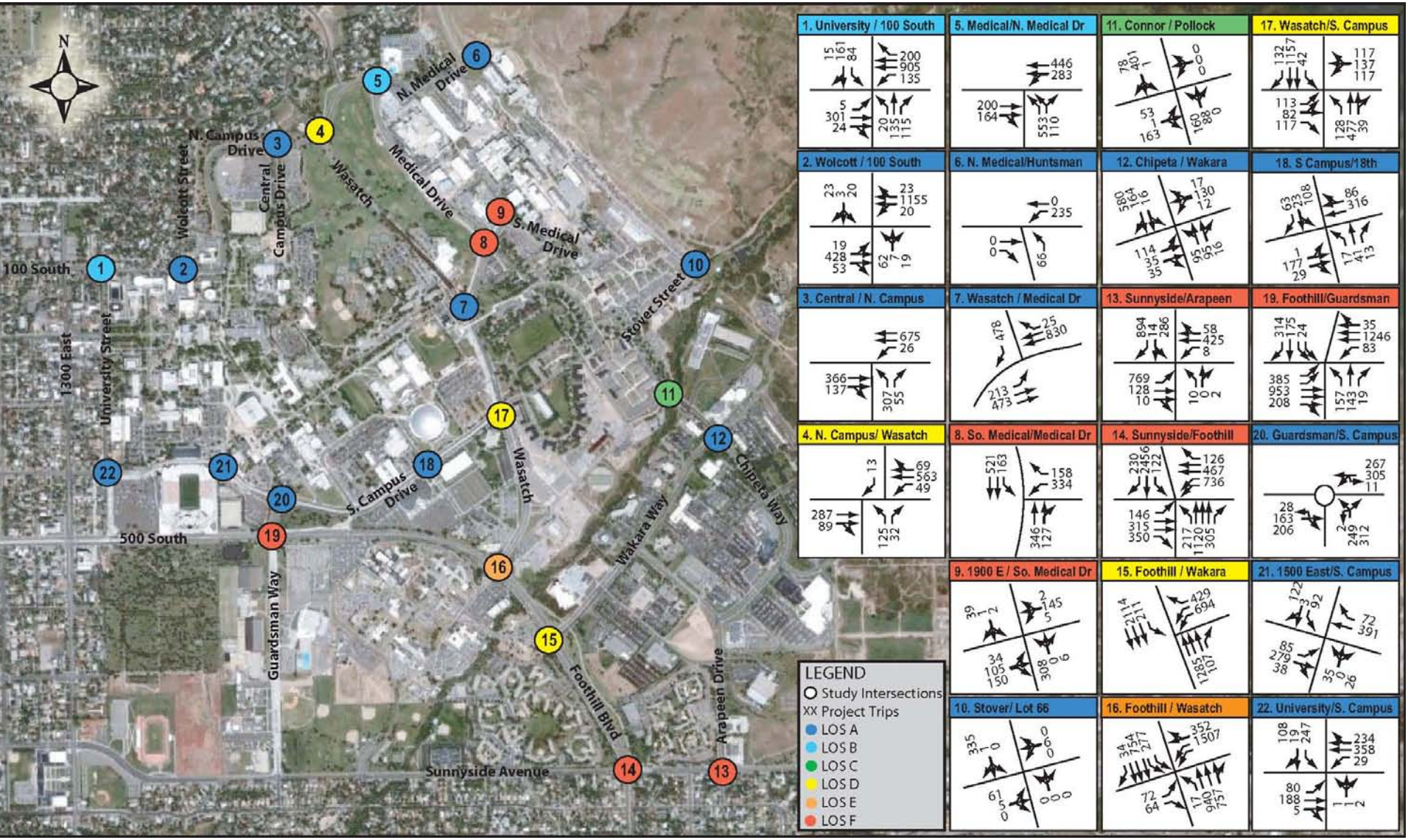


Source: Ira Fink & Associates, 2007

Traffic Analysis – Recap - AM



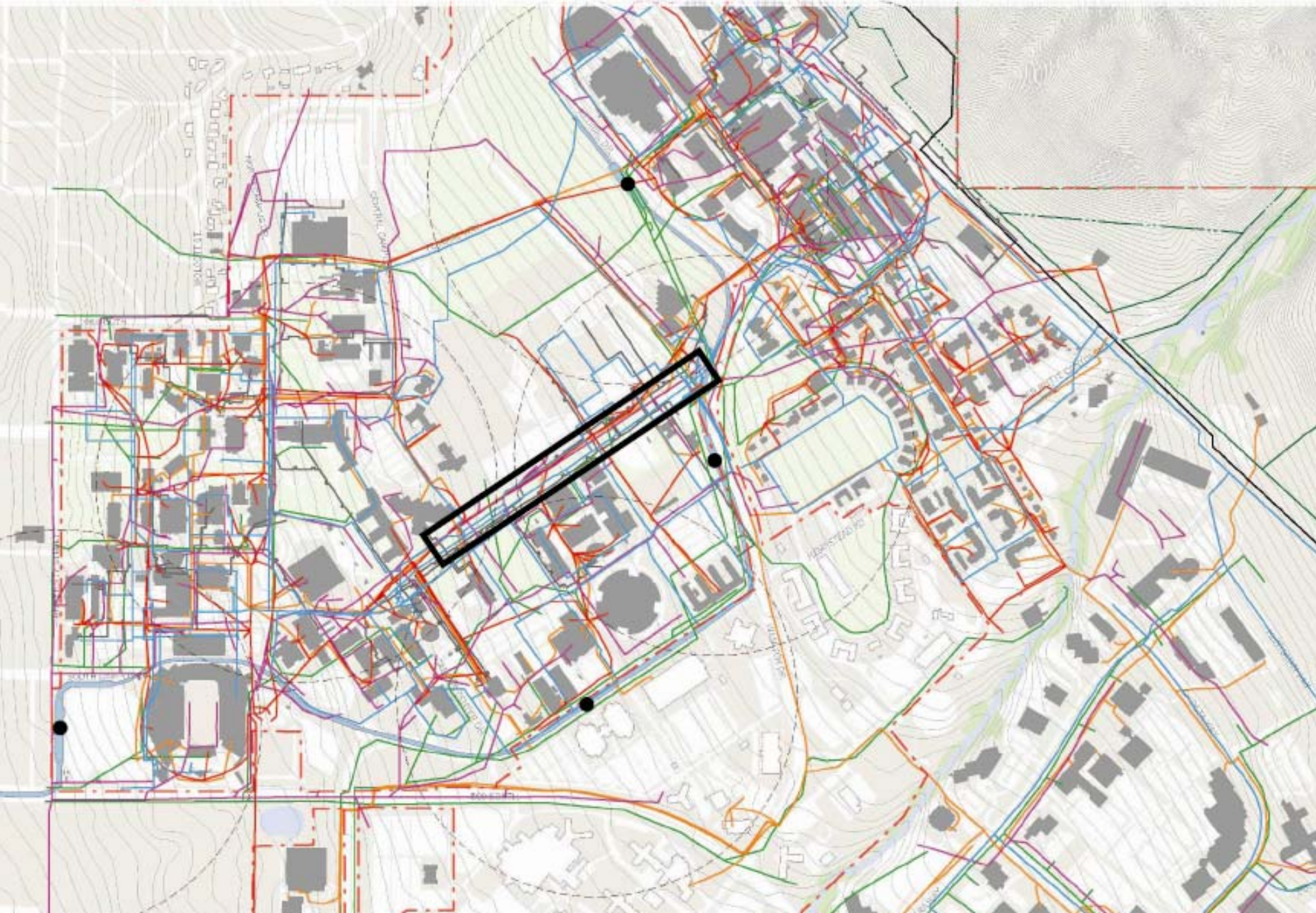
Traffic Analysis – Recap - PM



Foothill Corridor Study

- **Hosted by University of Utah**
  - Coinciding intentionally with Campus Master Plan
- **Commissioned by:**
  - Wasatch Front Regional Council
  - Salt Lake City
  - Utah Department of Transportation
  - Utah Transit Authority
  - University of Utah
- **Conducted by DMJM Harris and Wilkingson Ferrari**
- **Identification of future transportation opportunities**
- **Public involvement (2007)**
  - 2 Workshops
  - 1 Open House

isting Utilities



Headcount enrollment, fall 2006

	FT Male	FT Female	Full-Time	Part-Time	Total
Freshmen	1,629	1,468	3,097	771	3,868
Sophomores	1,507	1,219	2,726	884	3,610
Juniors	1,995	1,531	3,526	1,465	4,991
Seniors	3,124	2,311	5,435	2,617	8,052
Second Baccalaureate	96	142	238	490	728
Total Undergraduate	8,351	6,671	15,022	6,227	21,249
Total Graduate	2,739	2,105	4,844	1,620	6,464
Total	**11,090**	**8,776**	**19,866**	**8,753**	**27,713**
Non-Matriculated					906
Non-Credit					1,838
TOTAL					**30,457**

Faculty and Staff, Fall 2006

	Tenure Track Faculty	*Other Faculty*	*Staff*	*All Faculty & Staff*
General Campus	856	332	6,765	7,953
Health Sciences	455	508	6,854	7,817
Research Park	99	170	2,965	3,234
Total	**1,410**	**1,010**	**16,584**	**19,004**

Ira Fink and Associates, Inc., University Planning Consultants, Berkeley, California

Student Housing Supply & Occupancy

On-Campus Residence Halls	*Beds*	*Percent*
Total Capacity (Fall 2006)	**1,681**	
Fall 2006 Student Occupancy	1,647	98.0%

On-Campus Single Student Shared Apts	*Beds*	*Percent*
Total Capacity (Fall 2006)	**508**	
Fall 2006 Student Occupancy	473	93.1%

On-Campus Family Apartments	*Units*	*Percent*
Total Capacity (Fall 2006)	**78**	
Fall 2006 Student Occupancy	78	100.0%

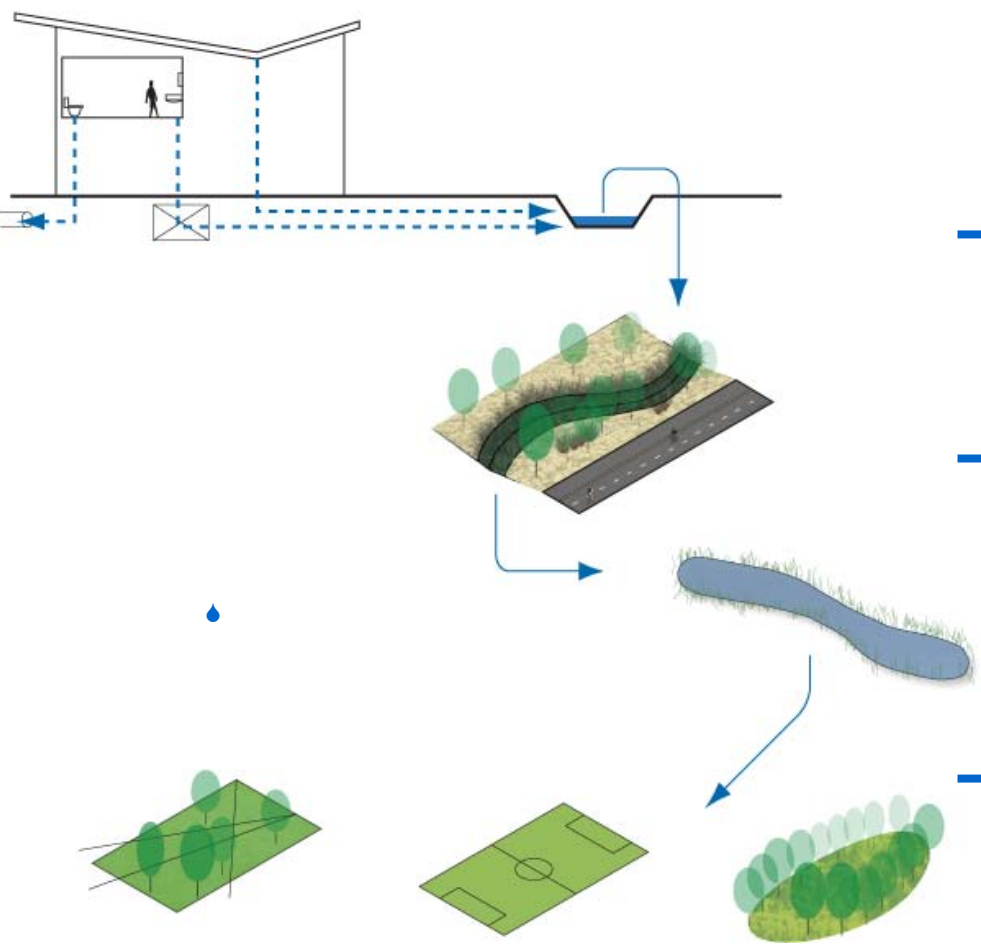
Student Housing Projection: Single Student Beds

	Actual 2006	Projected 2016	Projected 2025
Total Credit Enrollment	**28,619**	**28,876**	**32,644**
Cumulative Increase/Decrease		+ 257	+ 3,768
Percent Increase/Decrease		+ 0.9%	+ 13.0%
Single Student Beds	**2,189**	**3,389**	**4.589**
Cumulative Increase		1,200	1,200
Ratio	8.0%	12.0%	14.1%

Sustainability

Campus Planning & Design

Sustainability Framework: Integrated Systems



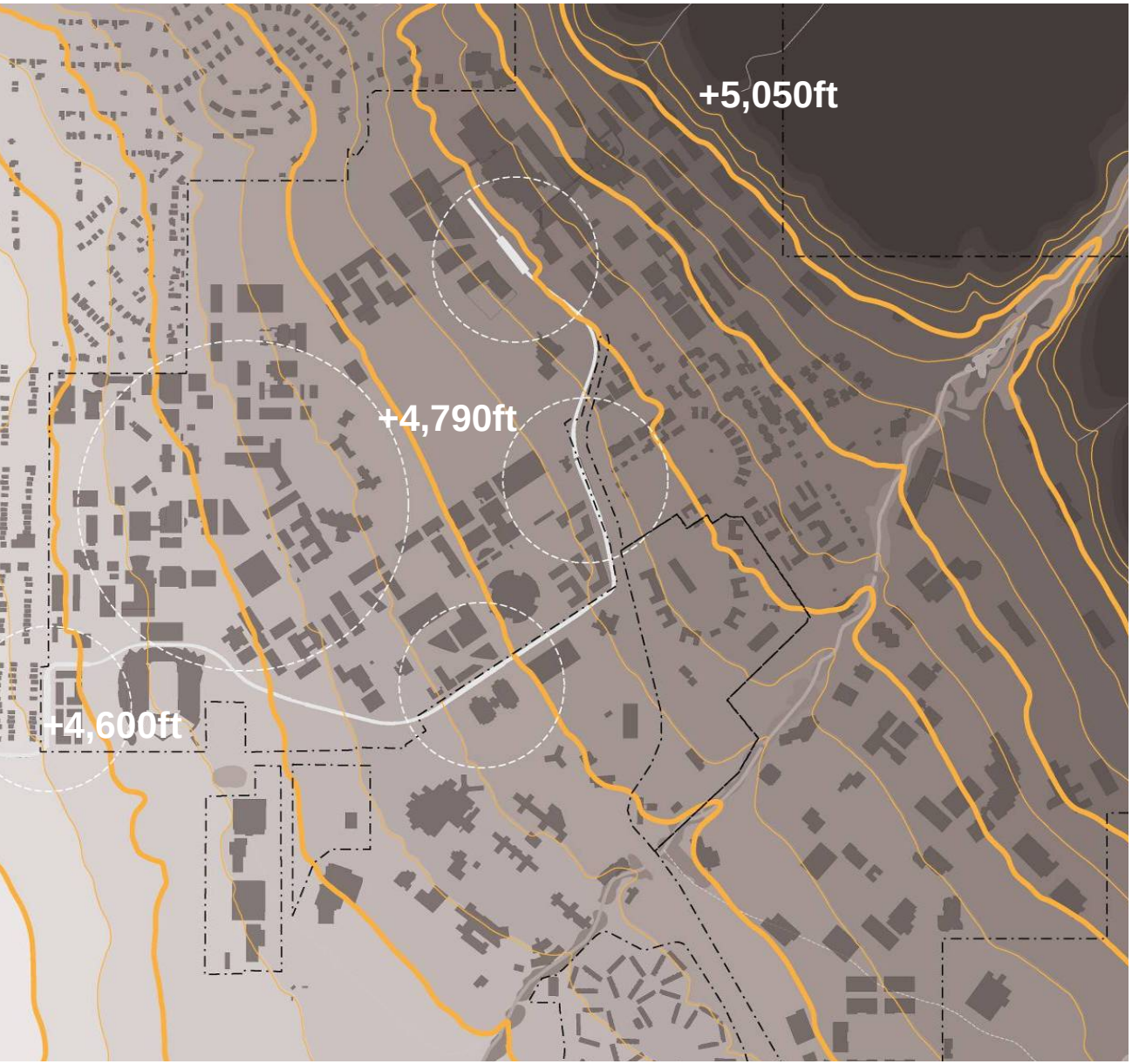
- Roof forms and drainage
- Gray water capture, and dual plumbing in new construction
- Cisterns in existing conditions

- Continuous drainage systems
- Bio swales, micro climates, and habitats
- Drought tolerant landscapes

- Water retention and infiltration
  - good stewardship
  - recharge aquifer
  - landscape features
  - re-use

- Irrigation of active, historic, and symbolic landscapes

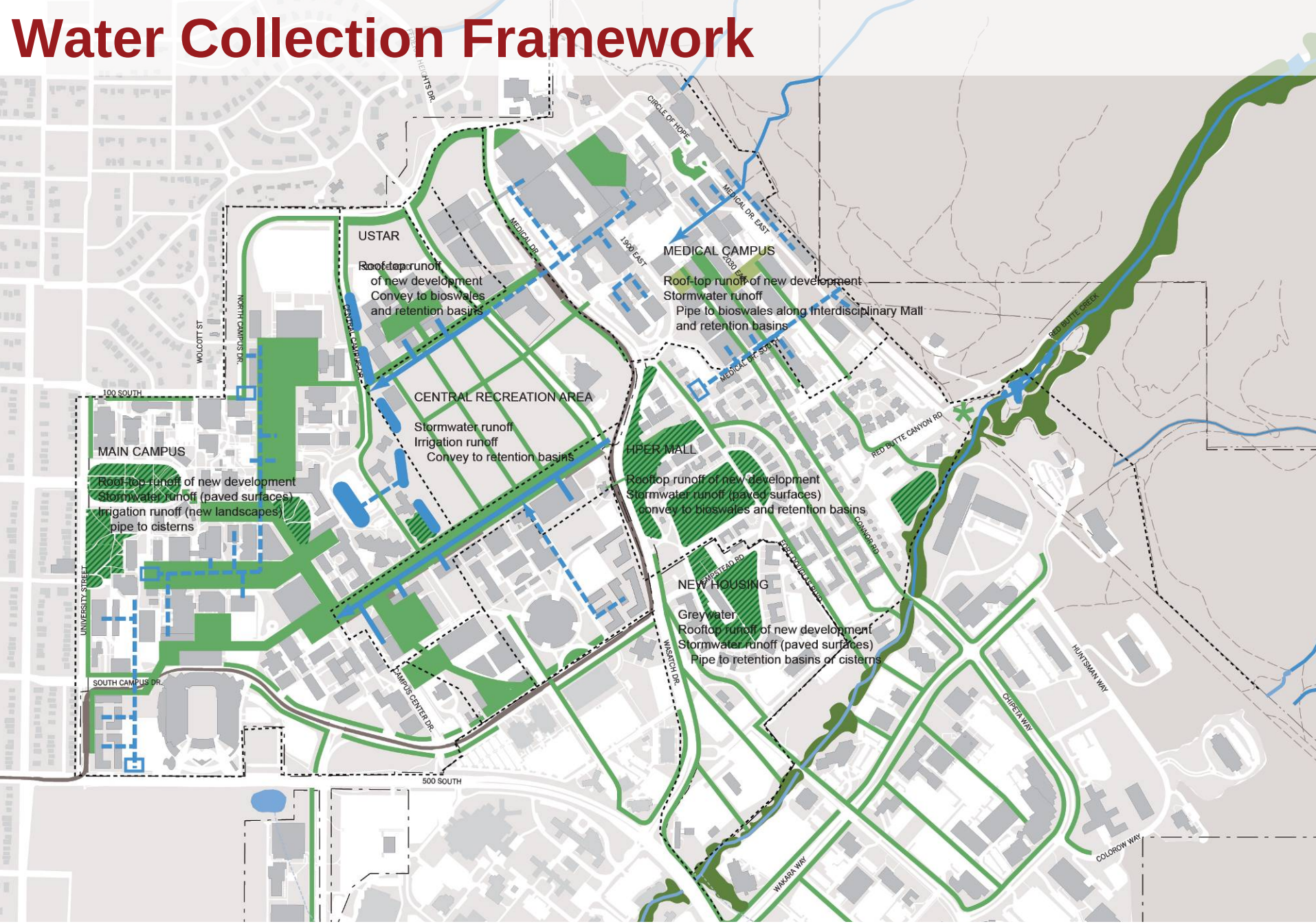
Campus Topography



The University of Utah is situated at the foothills of the Wasatch Range. This physical setting has an obvious and dramatic influence on the topography of the campus.

The campus generally slopes from the north-east to the south-west at an average gradient of 6.5 percent.

Water Collection Framework



Compact Campus

Establishing a Vibrant Campus Core

Library & Union Quad: Scale Comparison

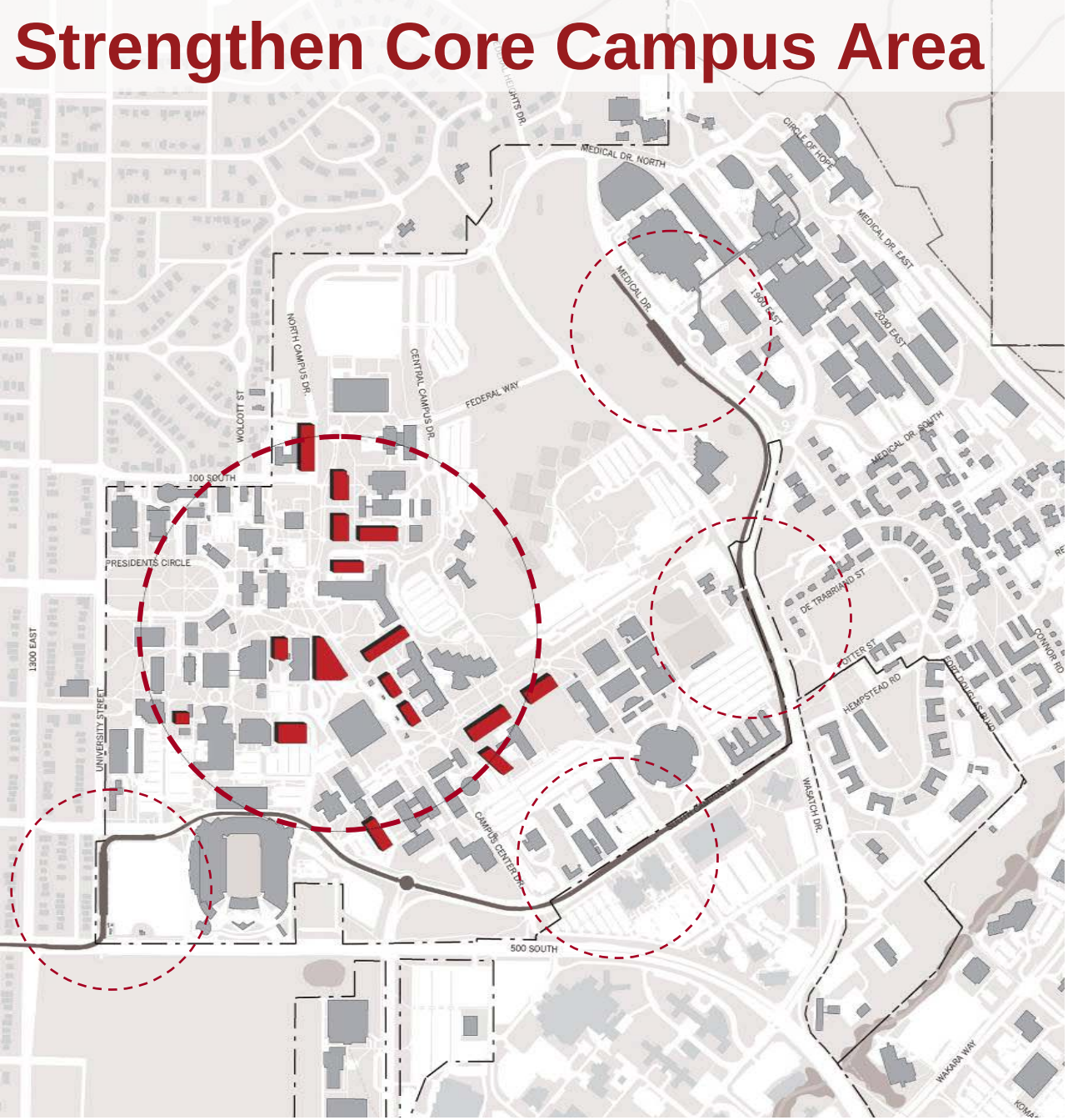
Stanford University Main Quad


University of Michigan "Diag"


University of California, Berkeley "Glade"


University of Utah "Union Plaza"

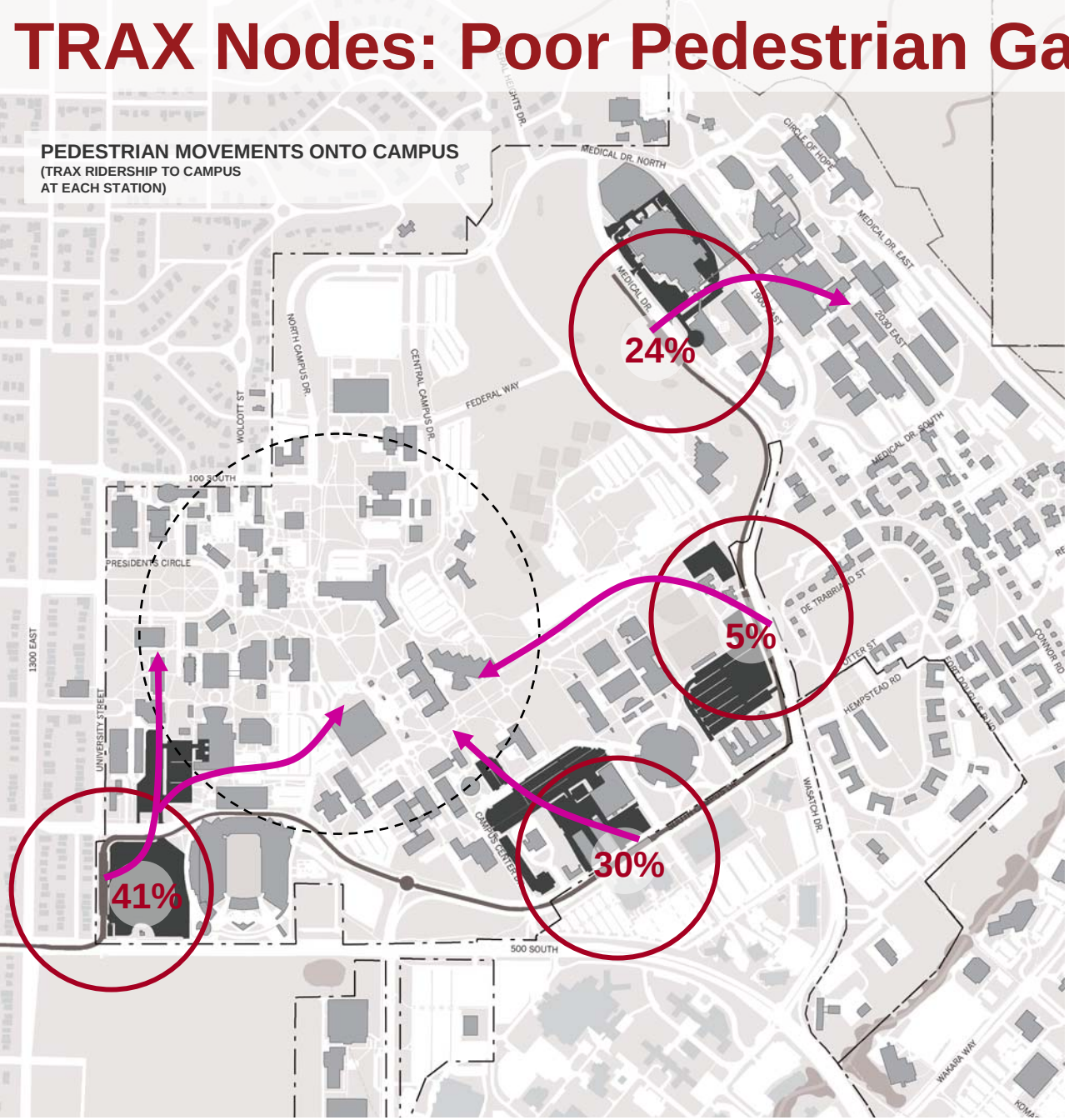
Strengthen Core Campus Area



Issues:

- Focus new development within the existing core campus area.
- Campus becomes more compact and pedestrian-friendly due to the close proximity of facilities and services.
- A compact campus can effectively capitalize on existing assets, including utility infrastructure, open space, recreational facilities, and academic, research and support buildings.

TRAX Nodes: Poor Pedestrian Gateways



Issues:

- Stadium and South Campus TRAX stations are important pedestrian gateways into campus.
- Over 70% of TRAX riders travelling to and from the Campus use the Stadium and South Campus stations.

TRAX Nodes: Under Utilized Areas

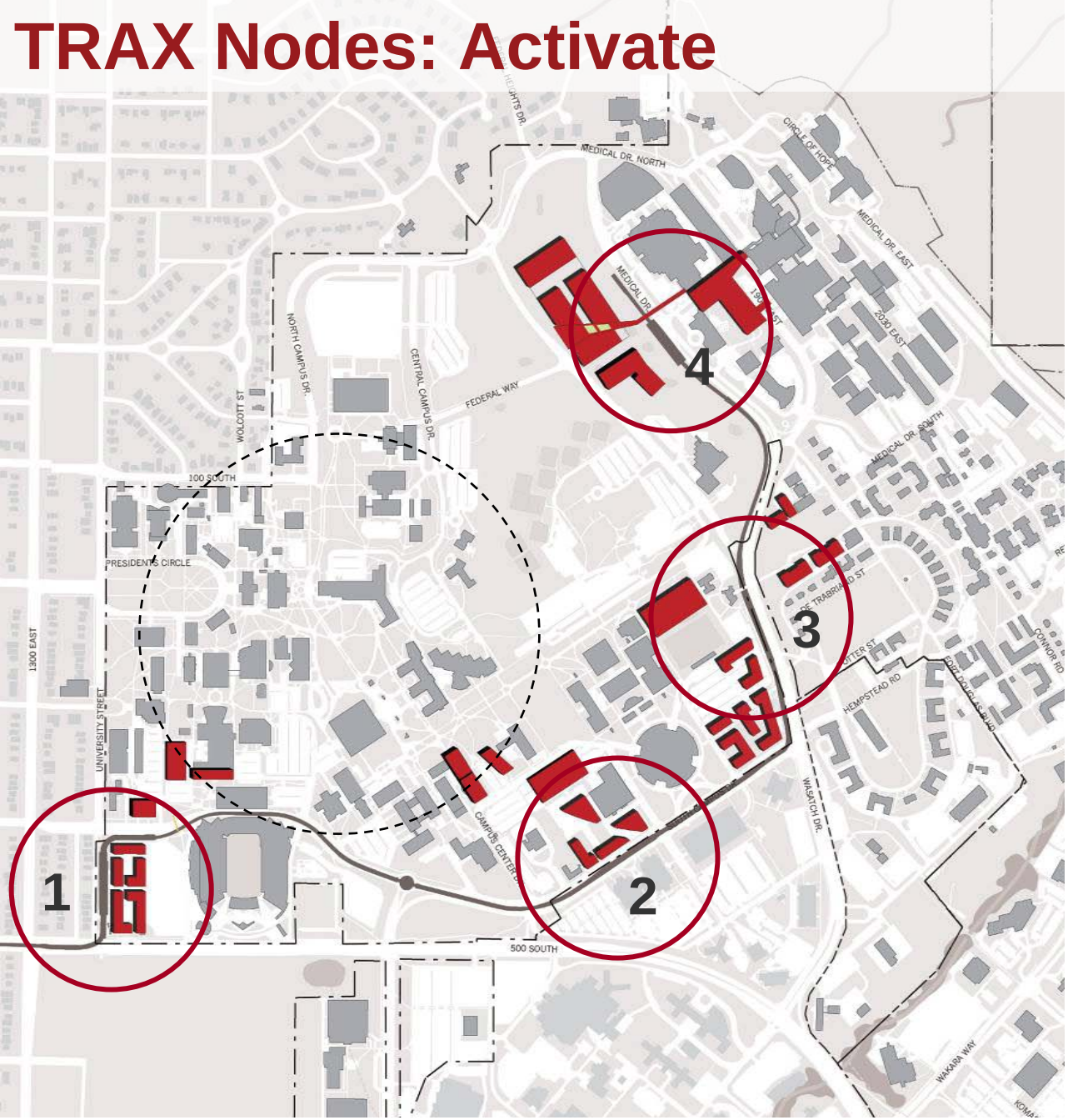
Stadium TRAX


South Campus TRAX


Fort Douglas TRAX


Medical Center TRAX

TRAX Nodes: Activate

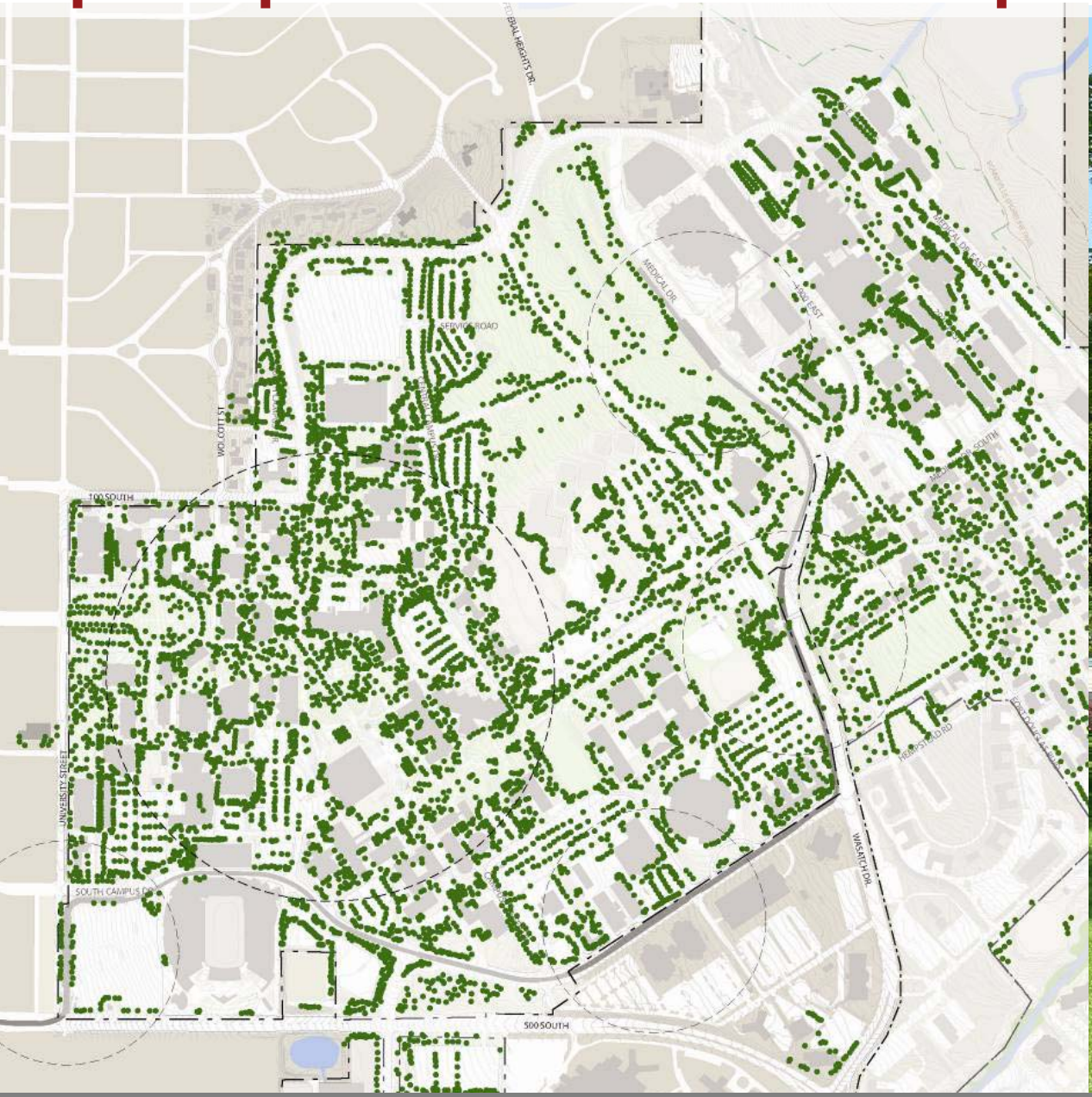


Strategy:

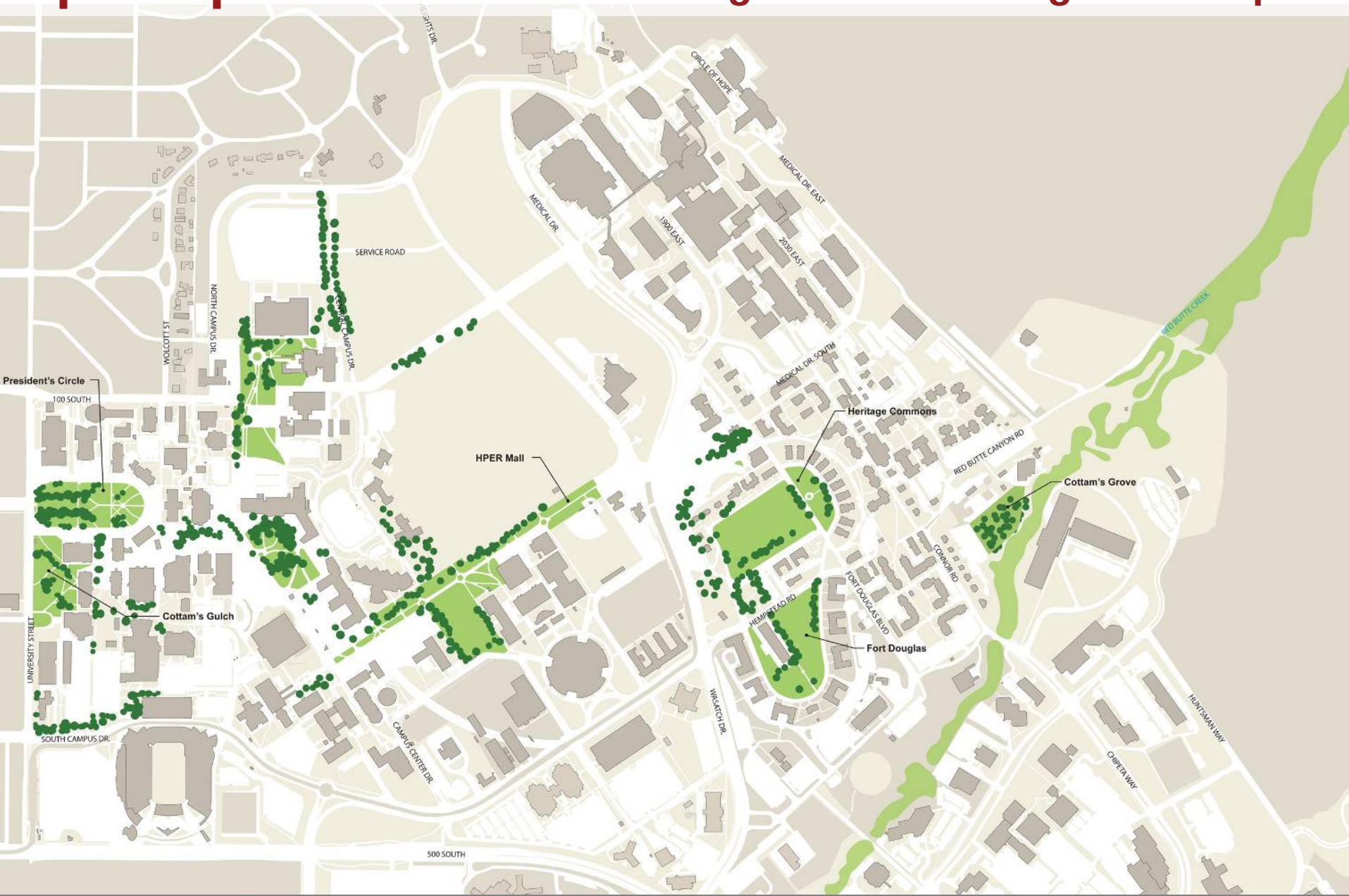
1. *Universe Project:* Mixed use, including housing and retail.
2. *South Campus TRAX:* Mixed use including retail, office and classrooms.
3. *South Campus Housing:* Housing and Student Life Center.
4. *Health Sciences TRAX:* Clinical and patient care.

Open Space

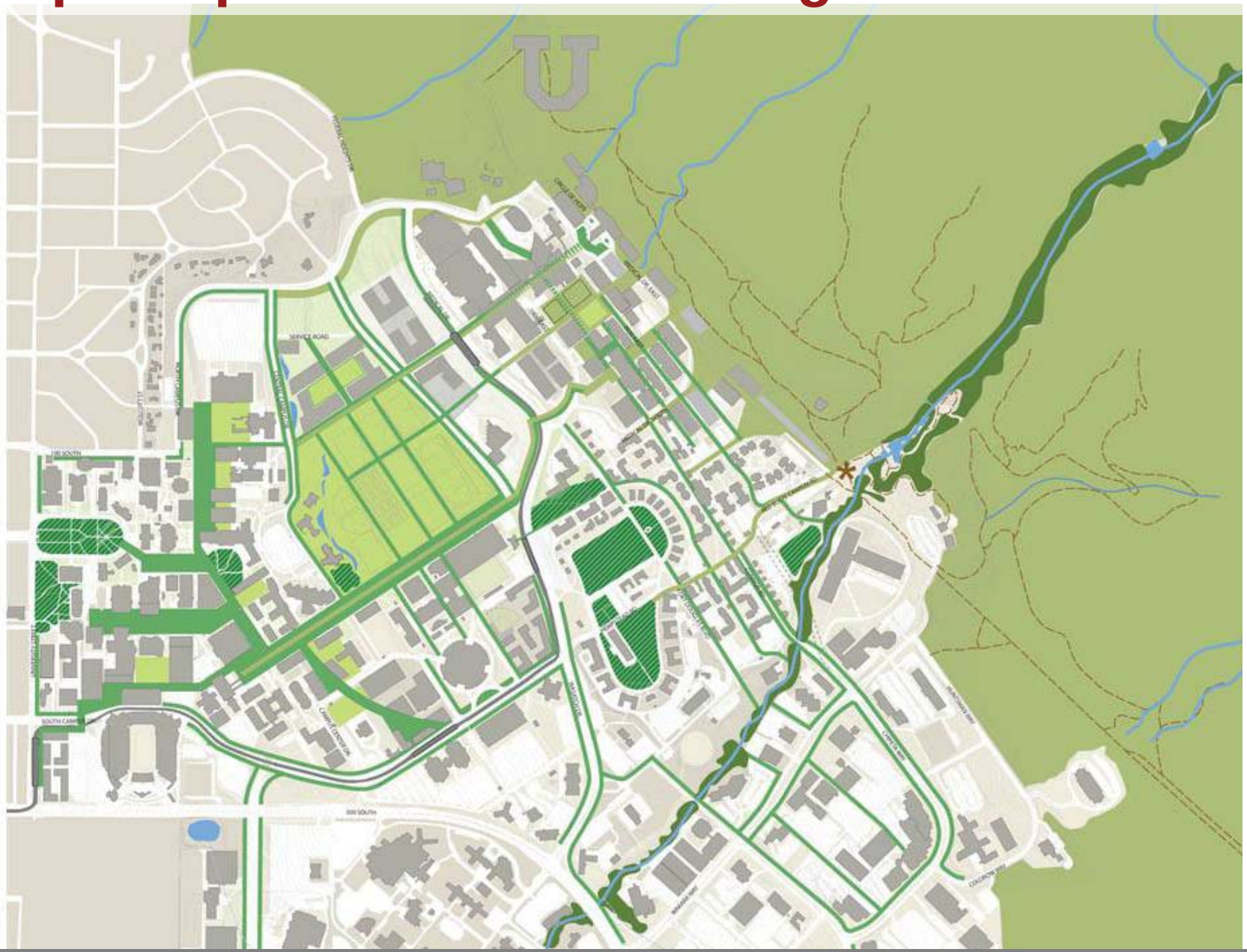
Open Space Framework: Campus Trees



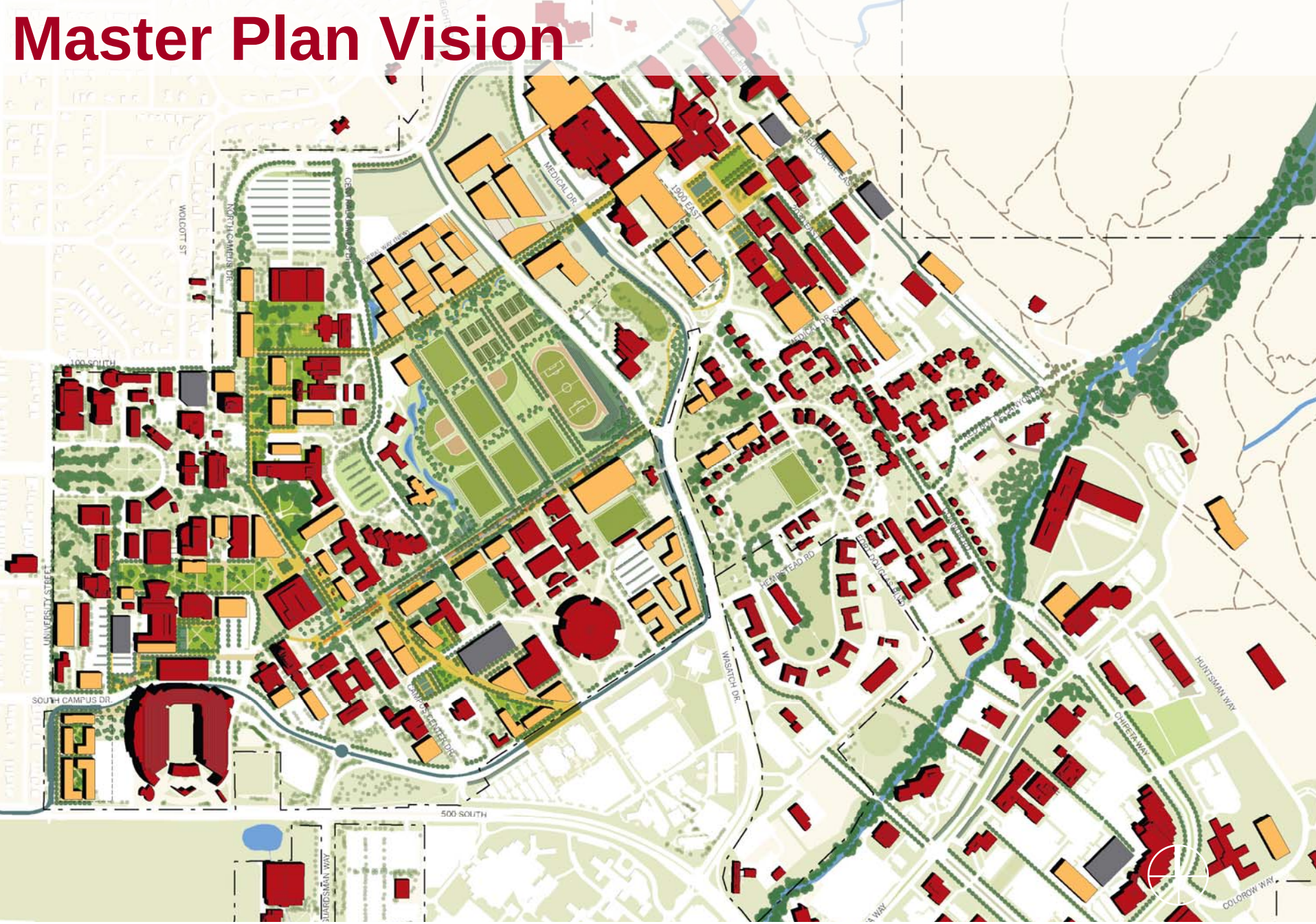
Open Space Framework: Significant Existing Landscapes



Open Space Framework Diagram



Master Plan Vision



Health Sciences Center

Health Sciences Center

Health Sciences Center

Health Sciences Campus site is highly constrained.

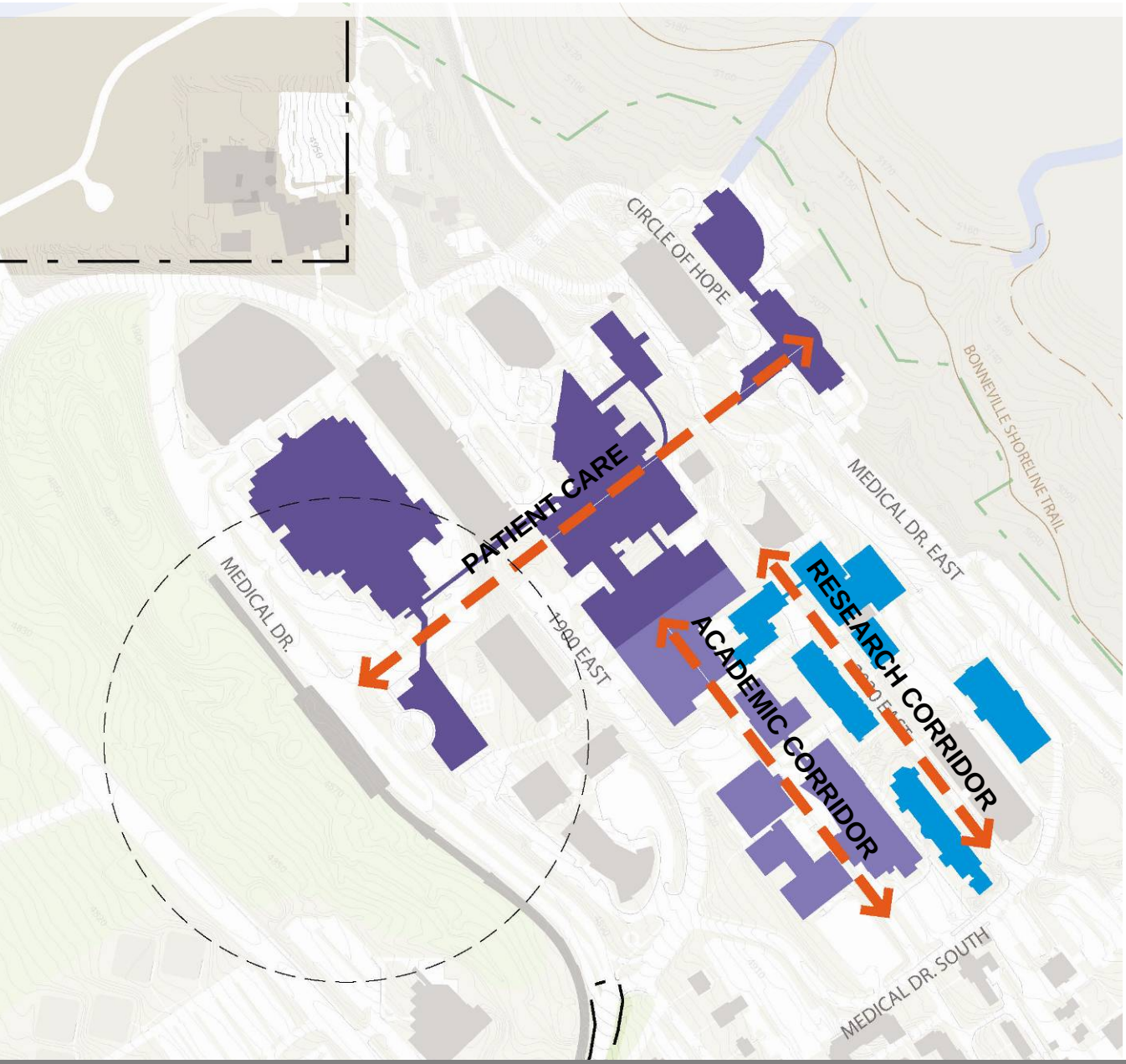
Primary constraints include topography, the natural boundary of the Wasatch Mountains, sensitive foothills environment, and existing student housing located to the south.

The HSC area may expand south and west in order to accommodate new facilities, including clinical, research and academic functions.

Health Sciences: Patient Care Corridor

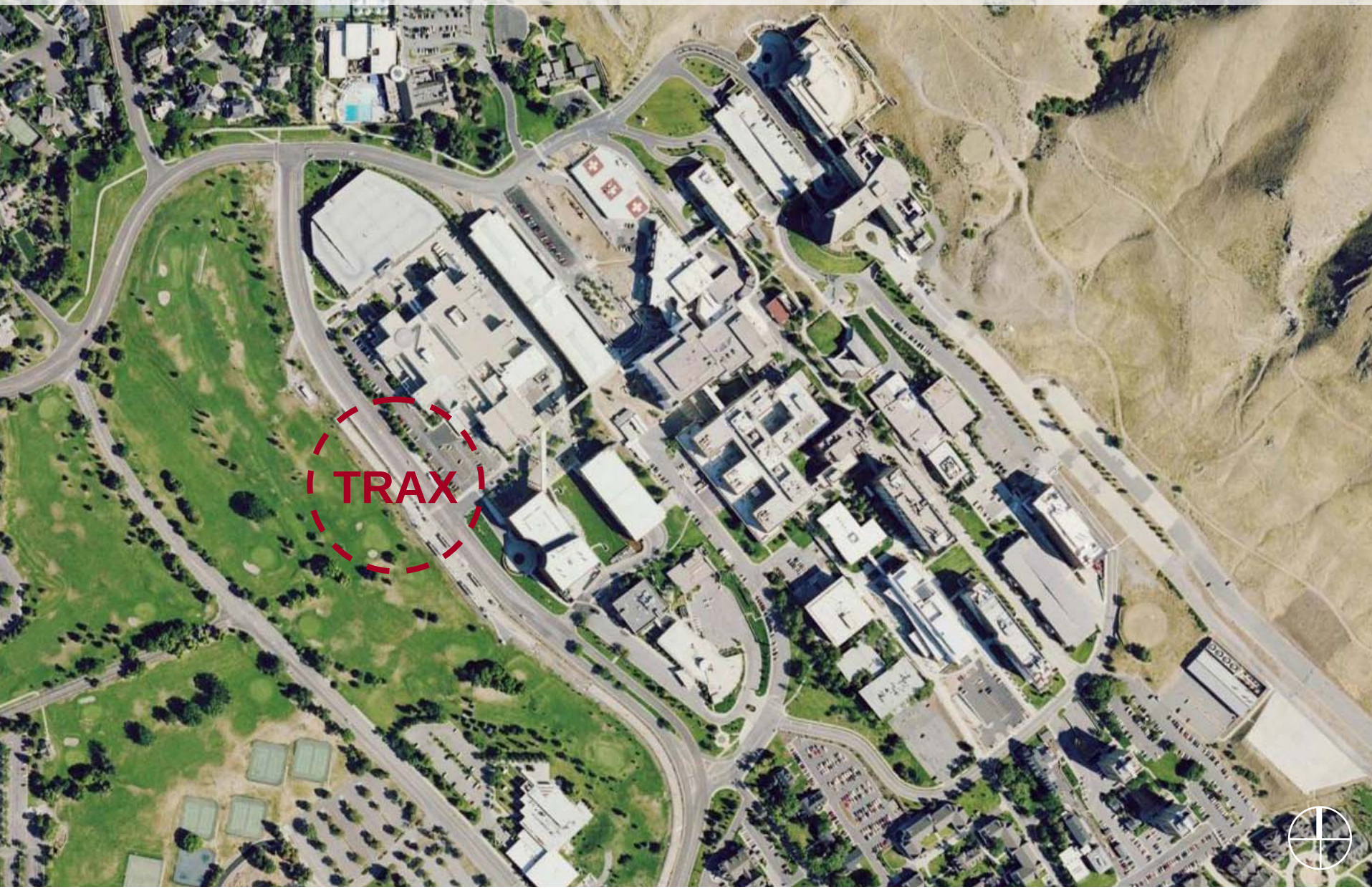
Health Sciences: Academic Corridor

Health Sciences: Academic Corridor



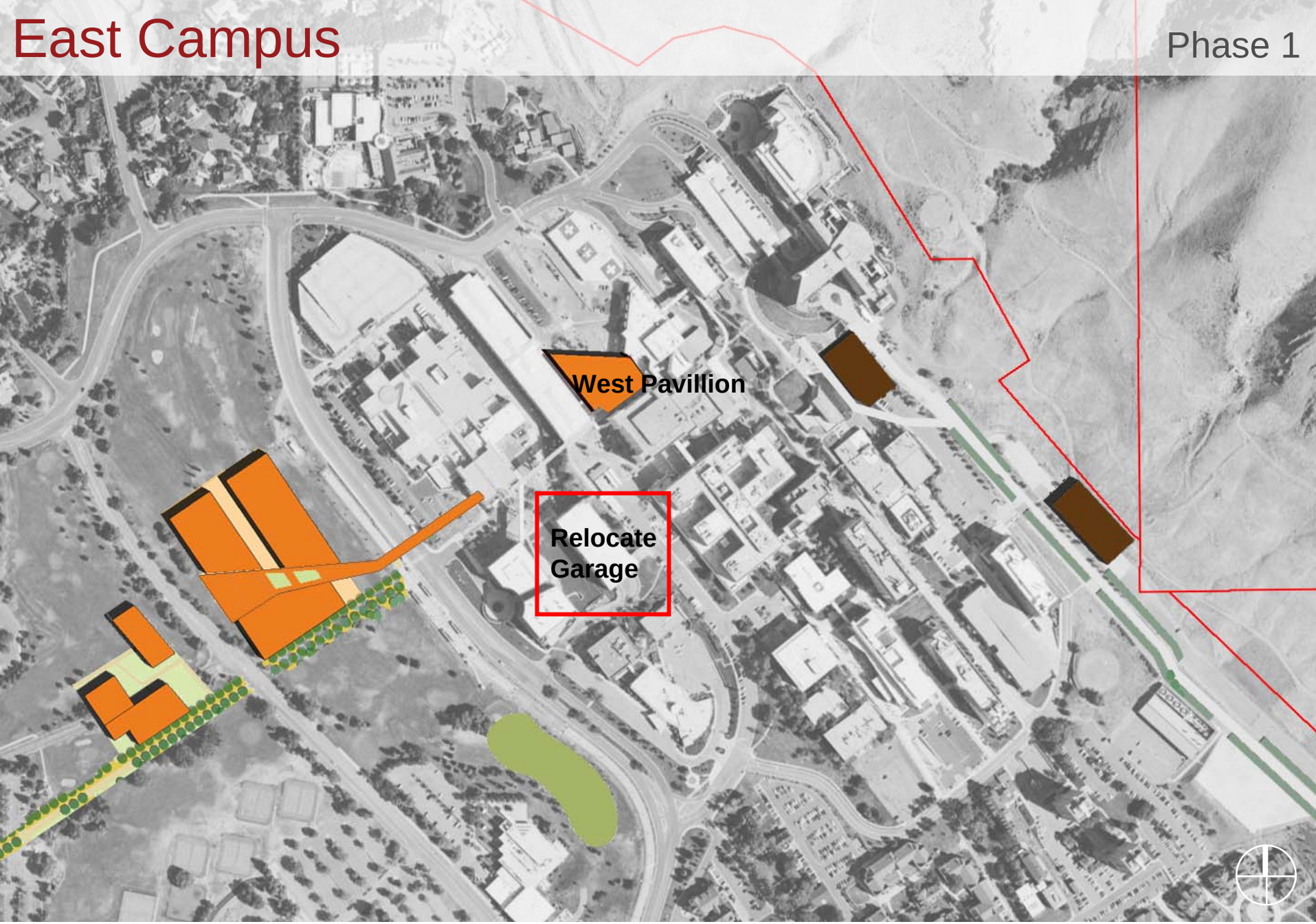
Open Space Framework

Health Sciences Campus



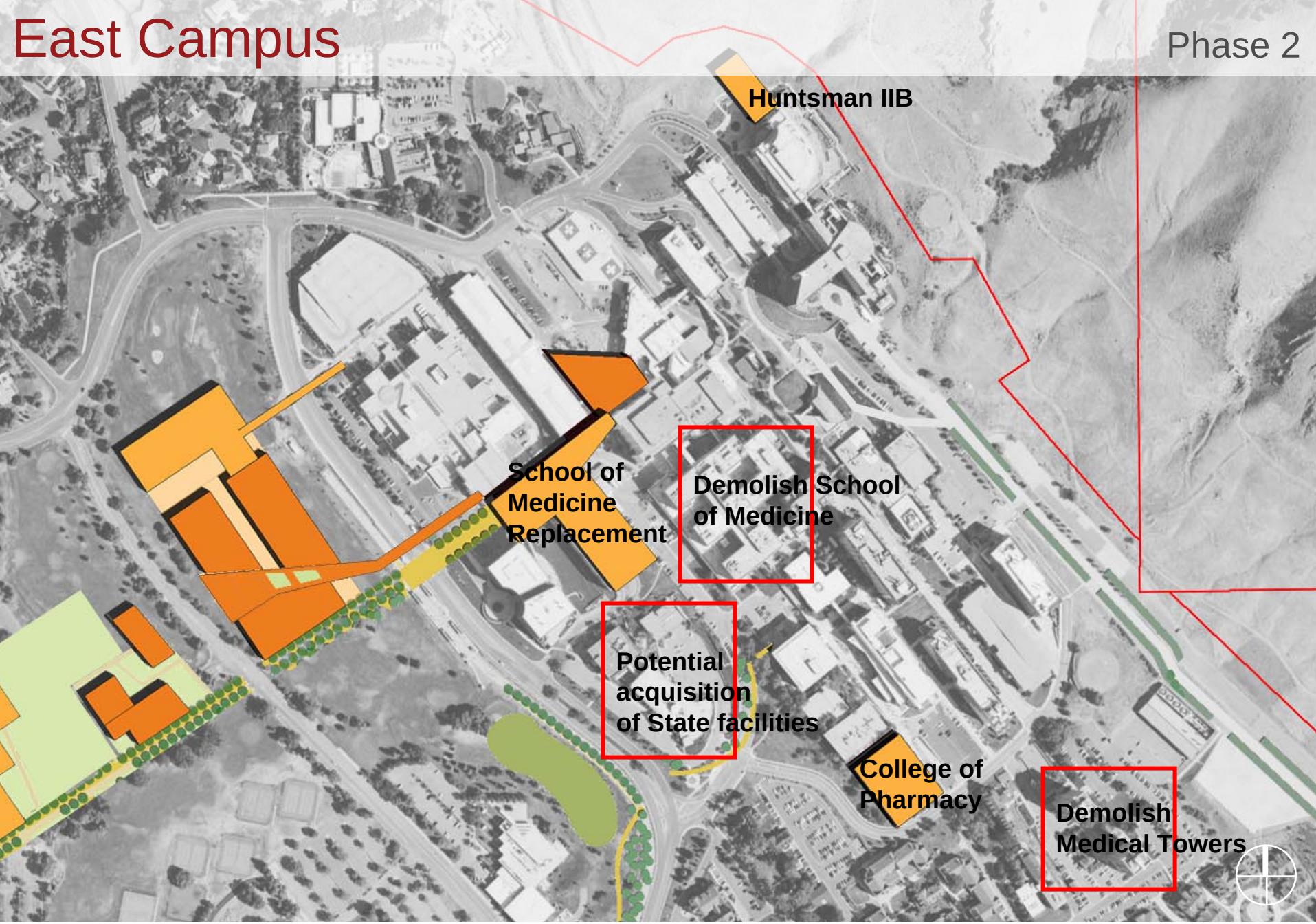
East Campus

Phase 1



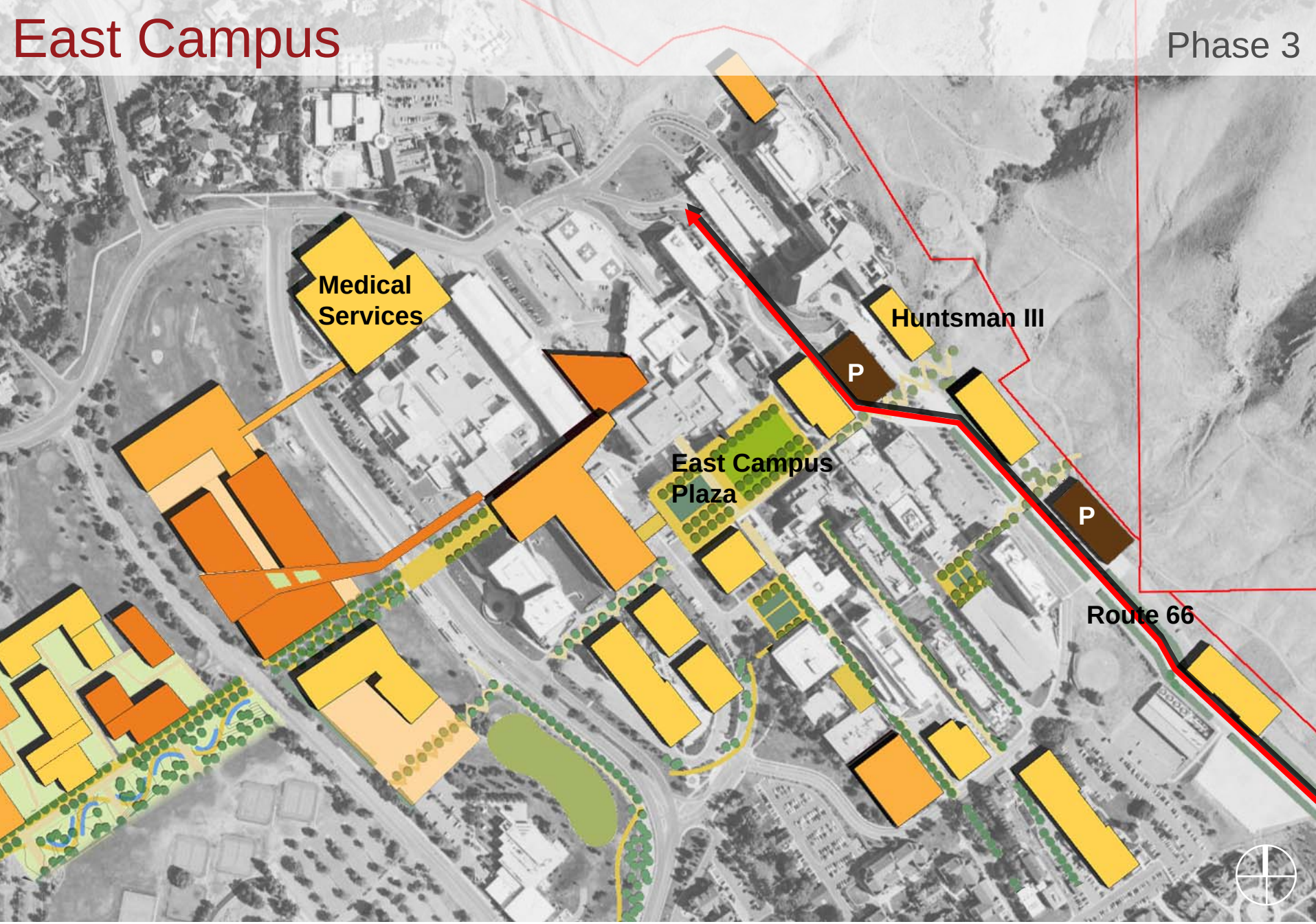
East Campus

Phase 2



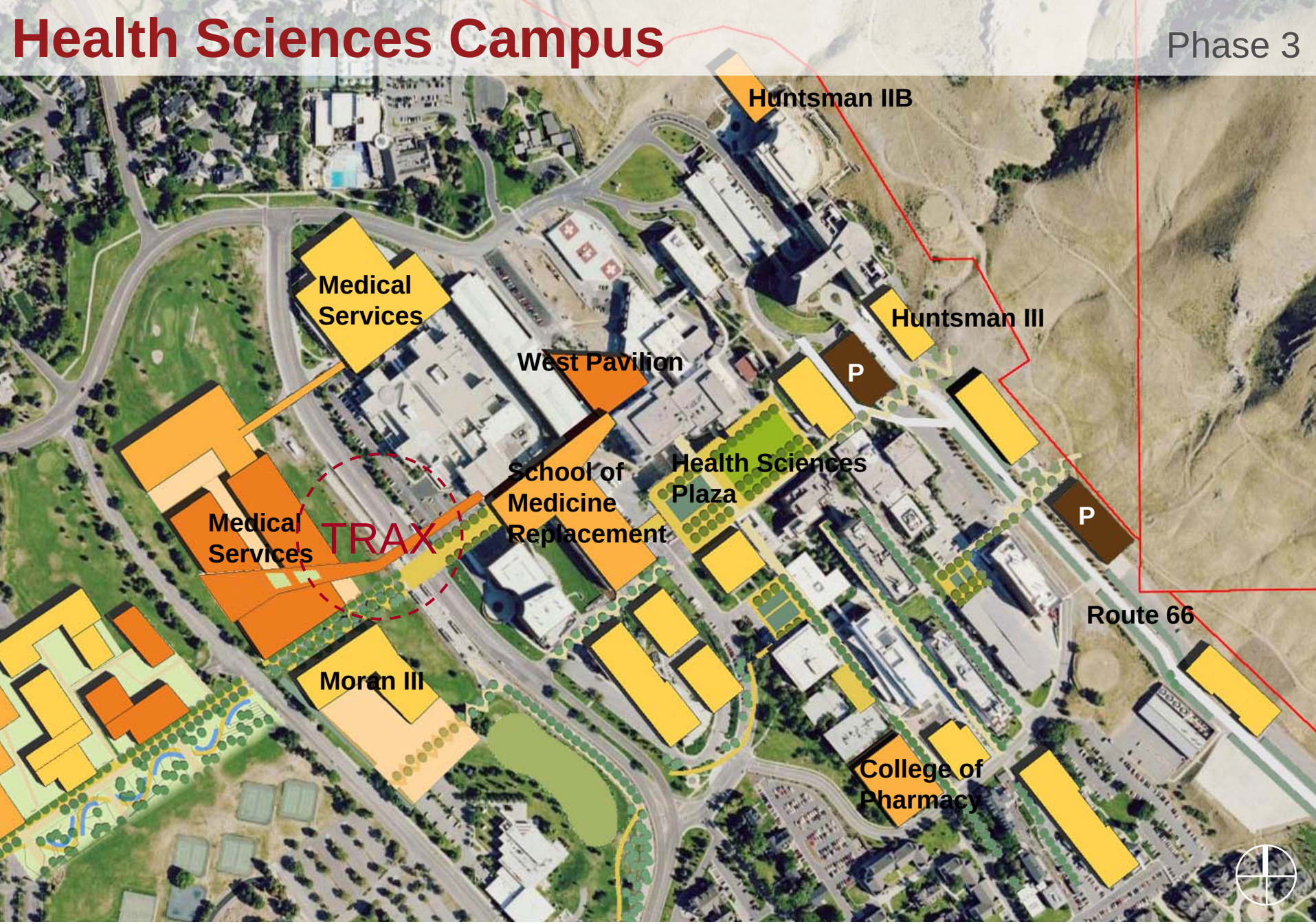
East Campus

Phase 3



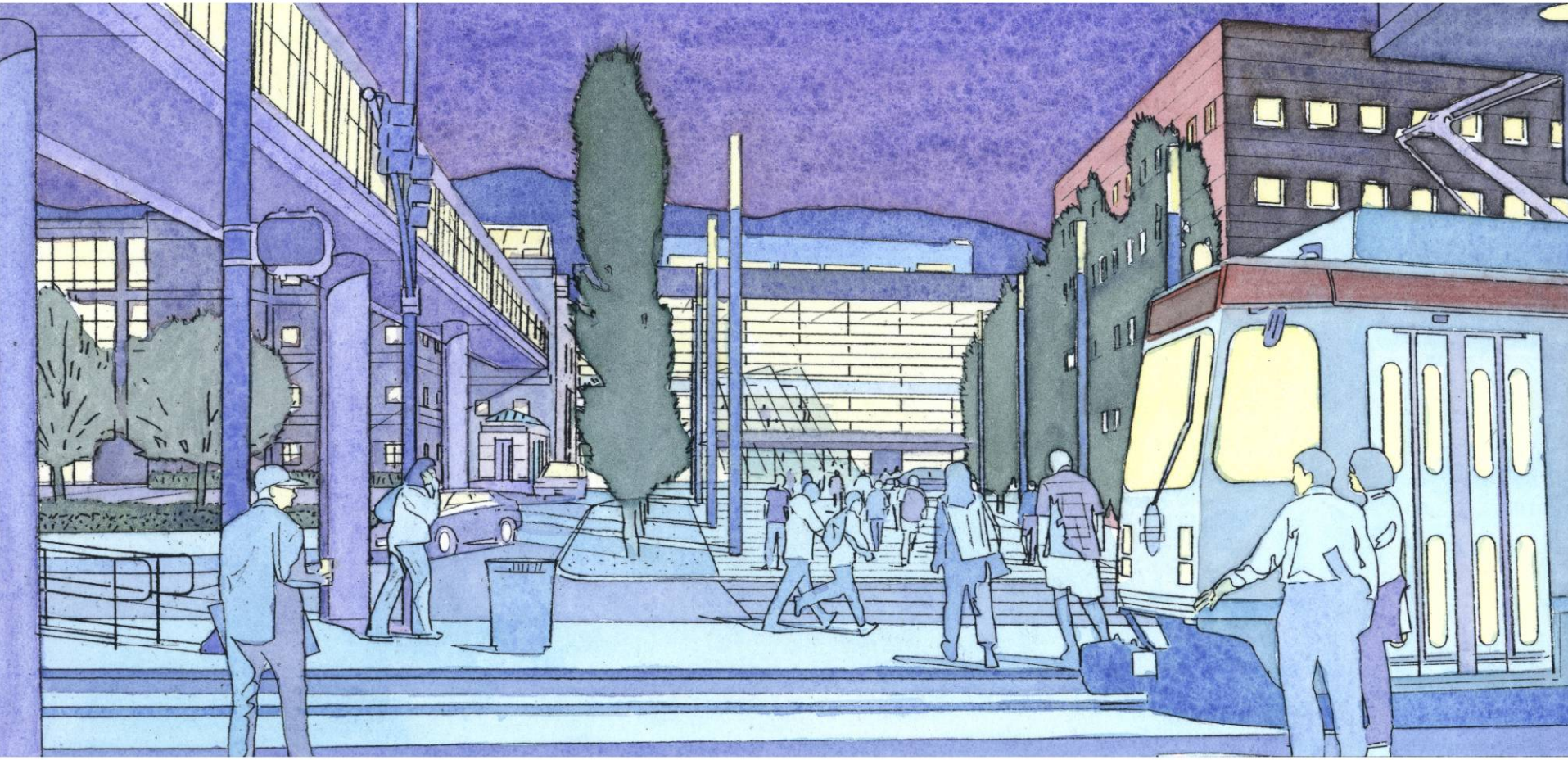
Health Sciences Campus

Phase 3



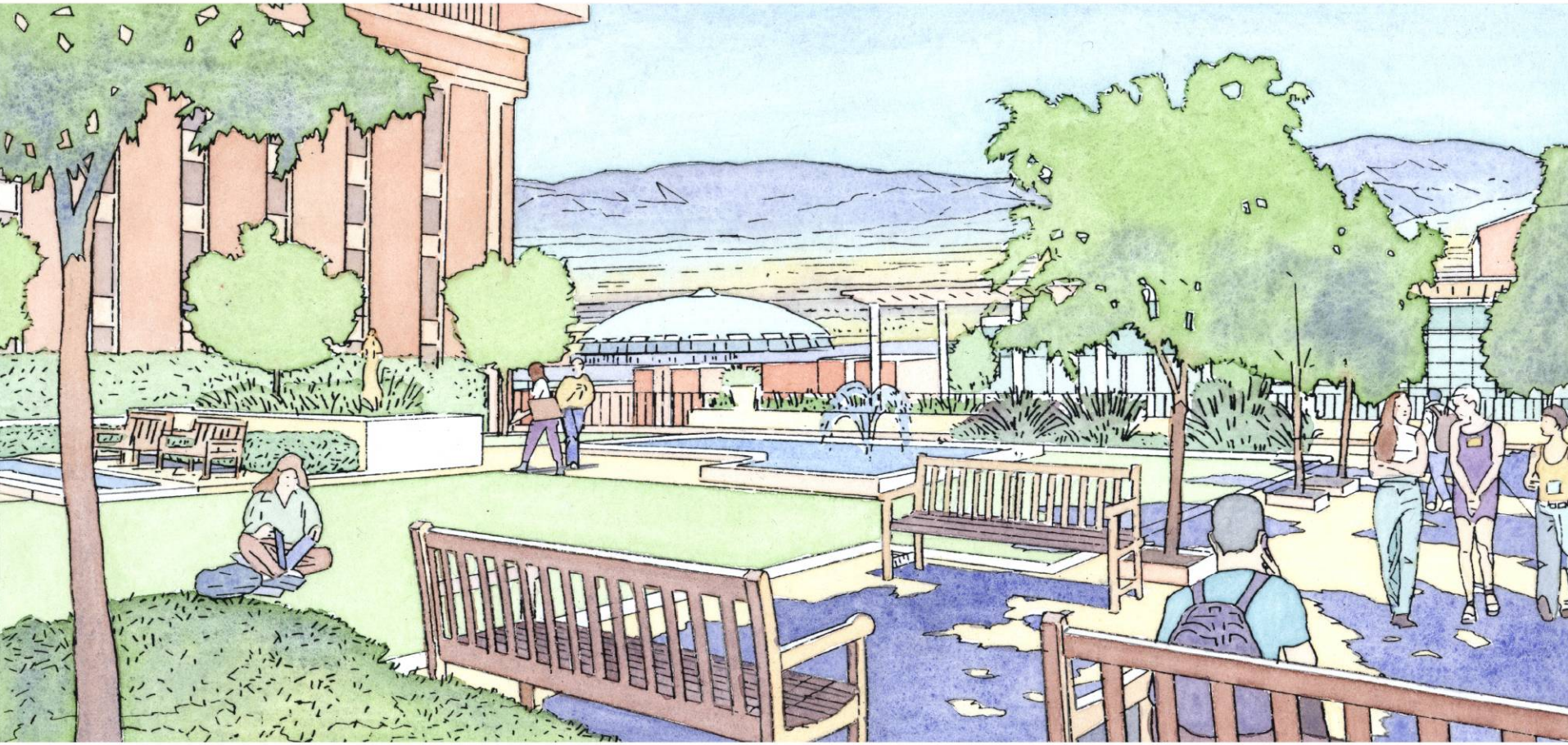
Health Sciences Campus

School of Medicine Replacement



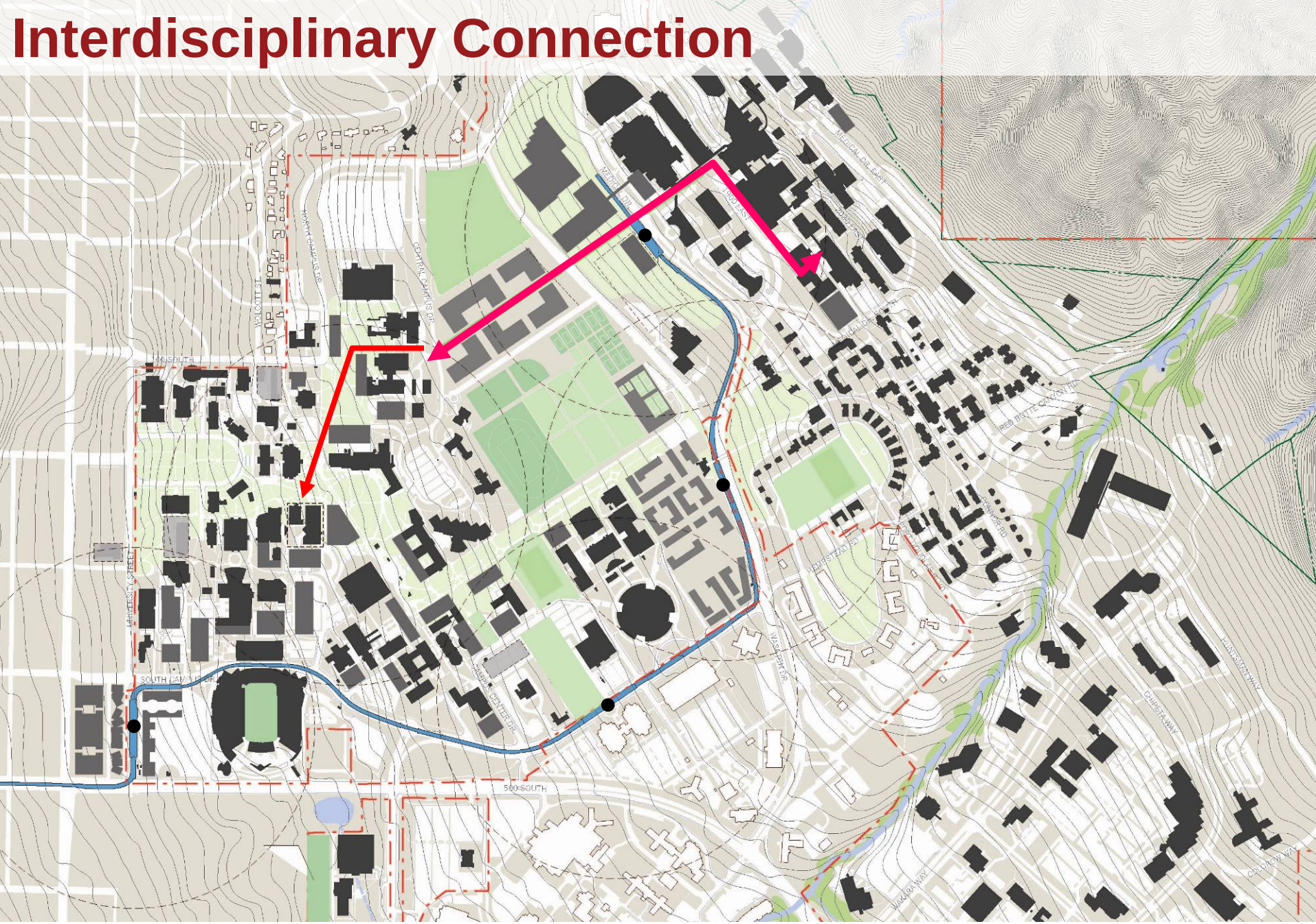
Health Sciences Campus

HSC Plaza

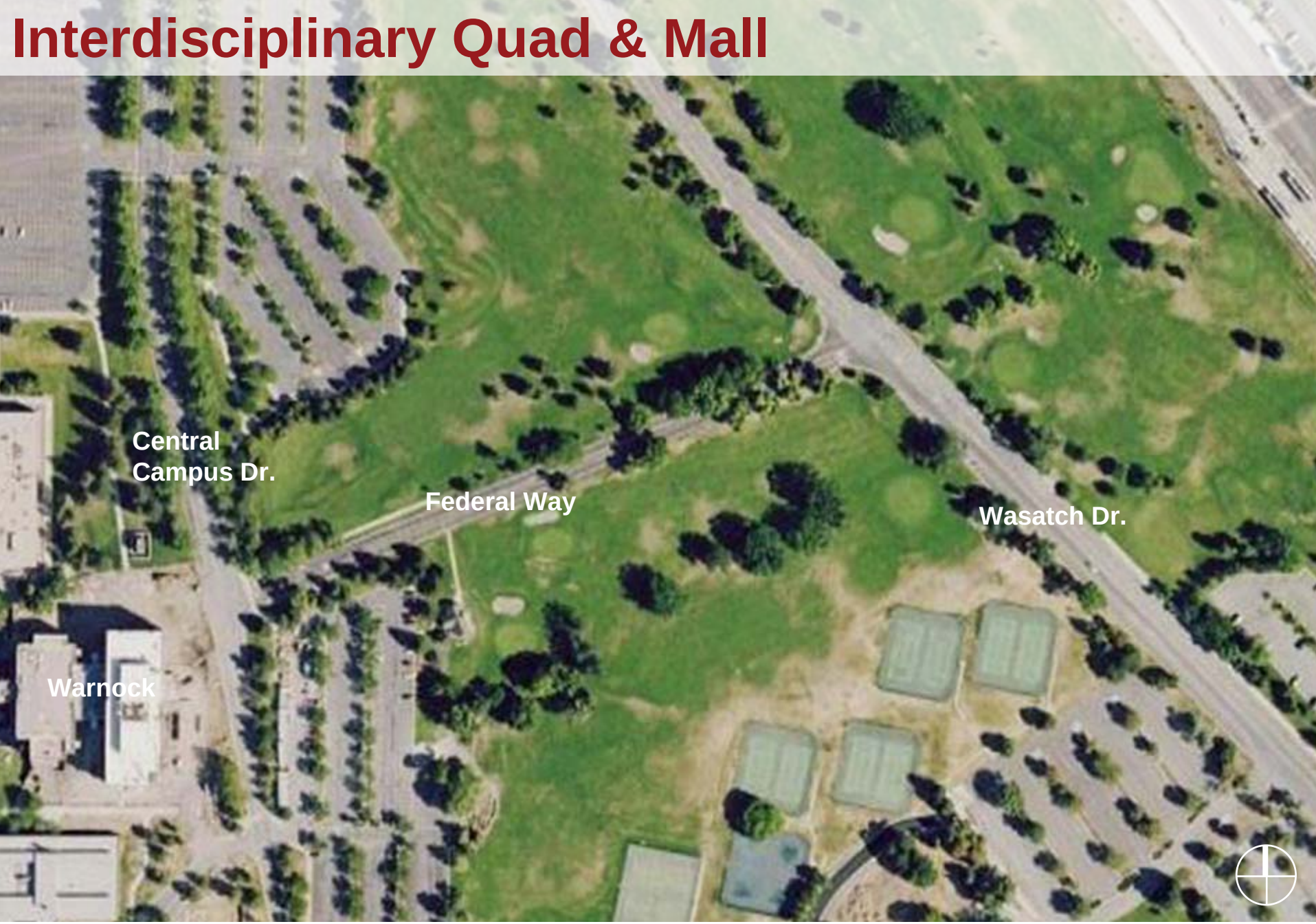


Interdisciplinary Connections

Interdisciplinary Connection

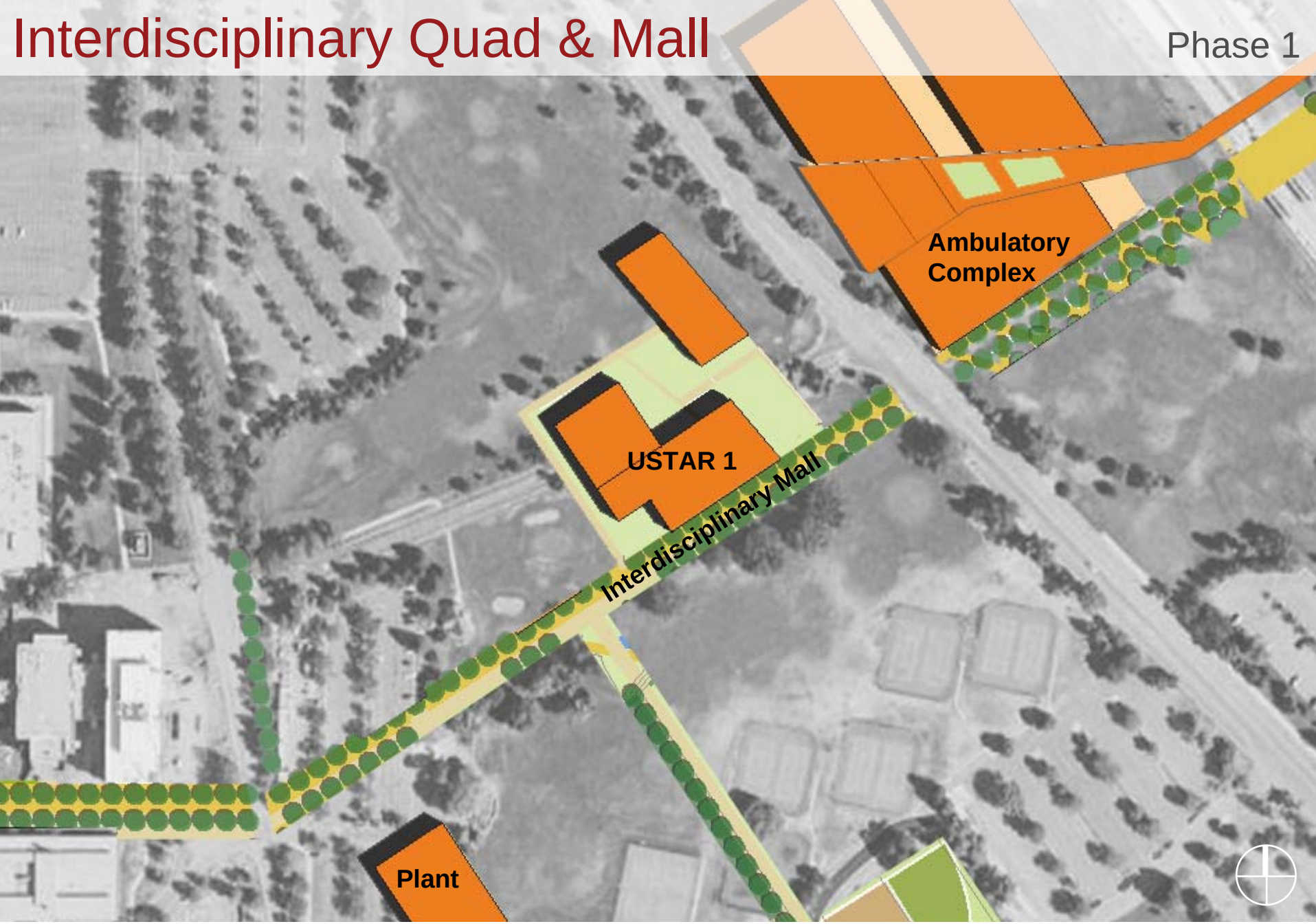


Interdisciplinary Quad & Mall



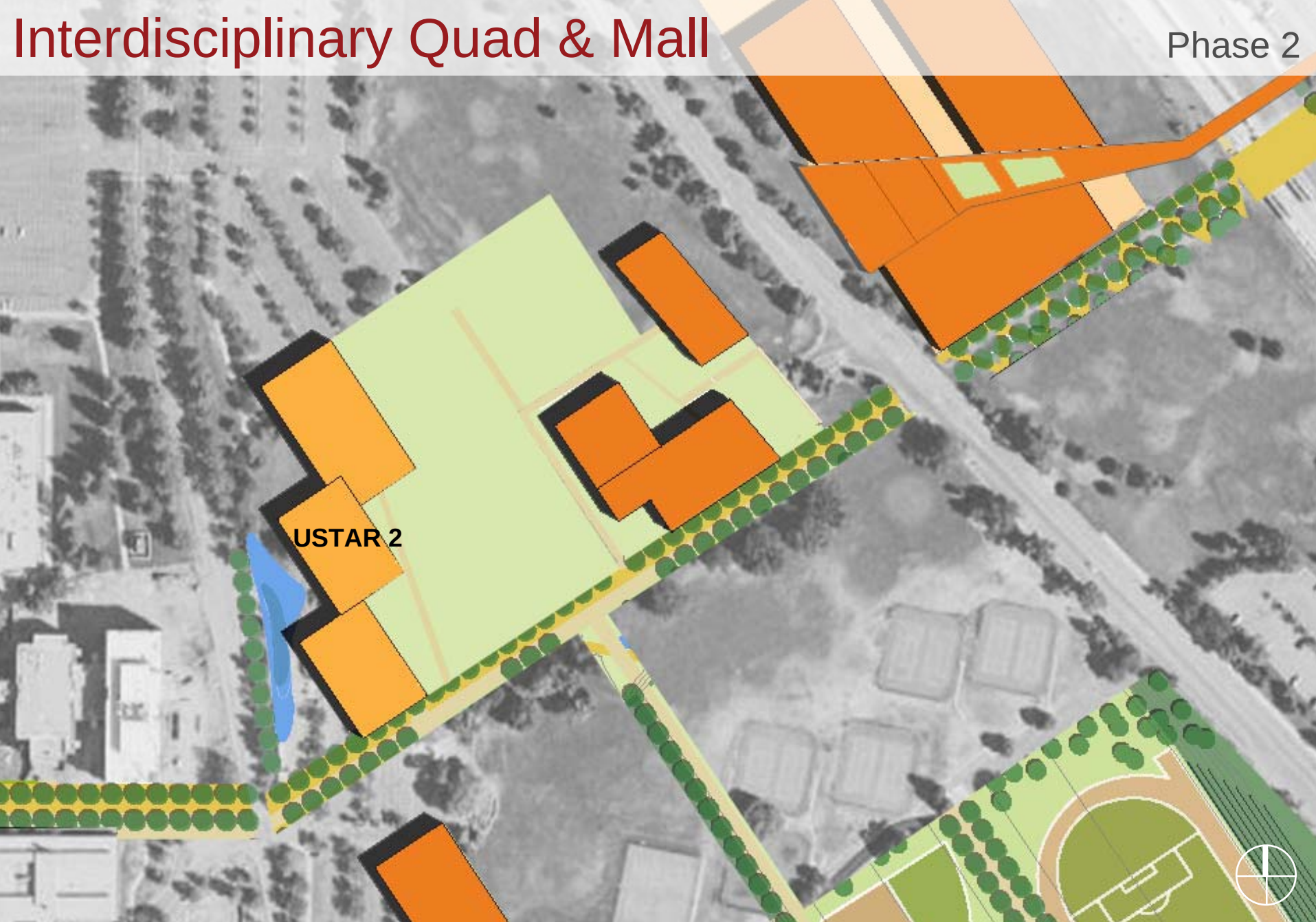
Interdisciplinary Quad & Mall

Phase 1



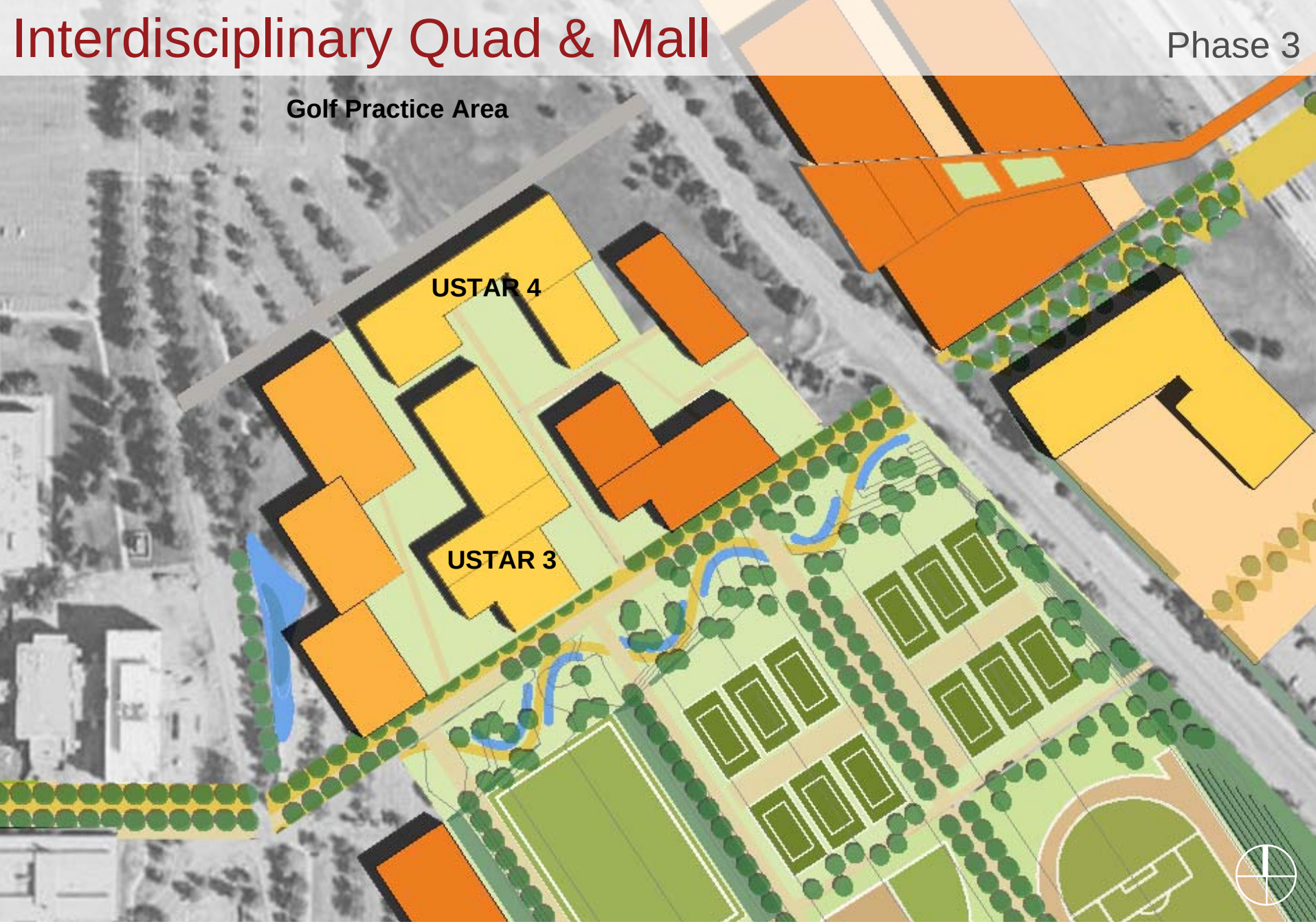
Interdisciplinary Quad & Mall

Phase 2



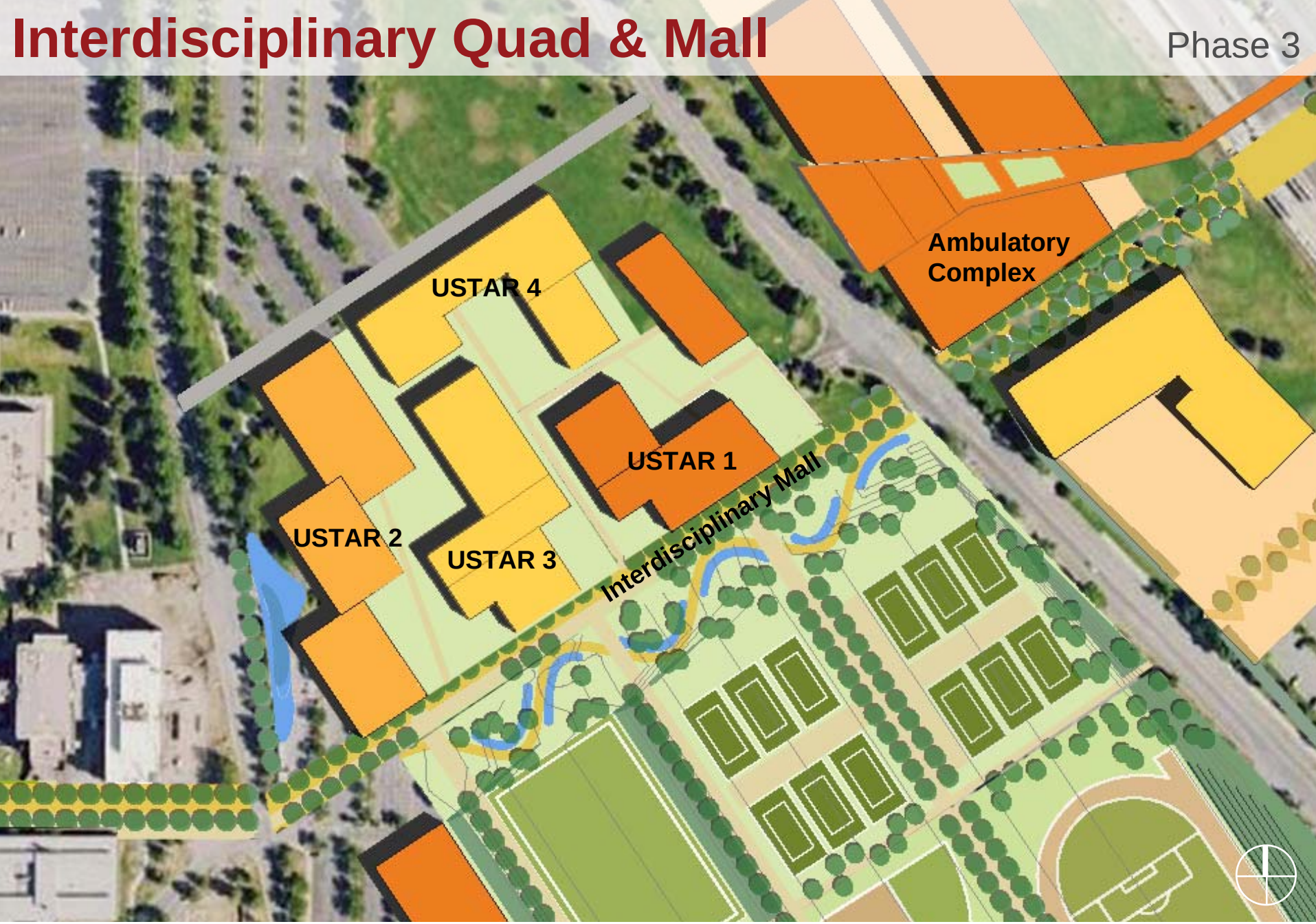
Interdisciplinary Quad & Mall

Phase 3



Interdisciplinary Quad & Mall

Phase 3



Interdisciplinary Quad & Mall

Student Life, Recreation & Athletic Facilities

Student Life Case Studies | Benchmarking

UNIVERSITY OF UTAH (FUTURE)

Mountain West Conference
1,380 Acres
29,000 Total Students
7% Live on Campus

Athletics and Recreation
8* Multiuse Recreation Fields
1 Football Stadium
1 Athletics Arena
1* Track and Field Complex
1* Softball Field
1 Baseball Field
1 Gymnasium
20* Tennis Courts

UNIVERSITY OF COLORADO BOULDER

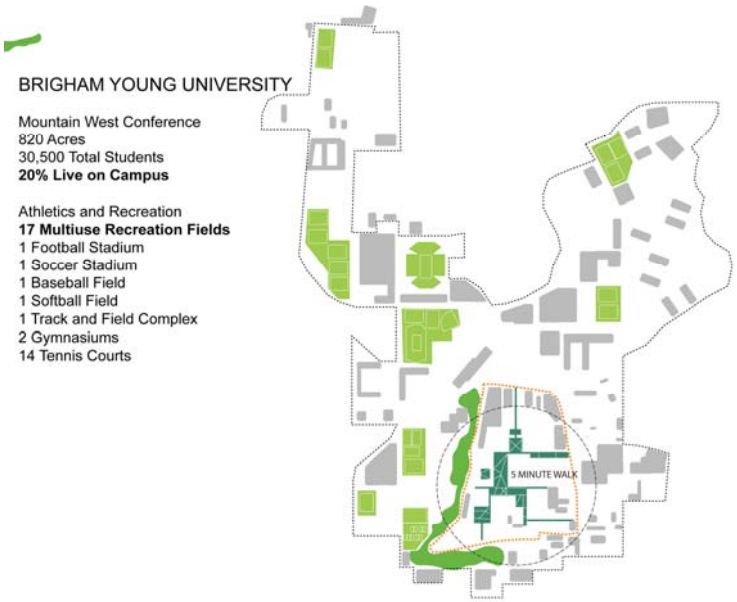
Mountain West Conference
480 Acres
29,200 Total Students
26% Live on Campus

Athletics and Recreation
10 Multiuse Rrecreation Fields
1 Football Stadium
2 Baseball Fields
1 Softball Field
1 Track and Field Complex
1 Gymnasiums
4 Tennis Courts

BRIGHAM YOUNG UNIVERSITY

Mountain West Conference
820 Acres
30,500 Total Students
20% Live on Campus

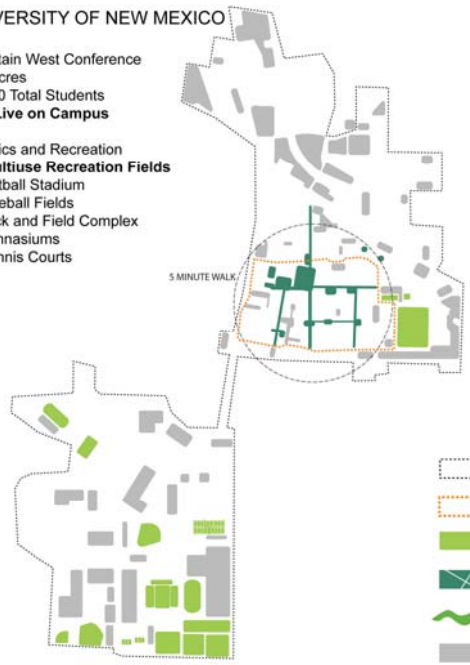
Athletics and Recreation
17 Multiuse Recreation Fields
1 Football Stadium
1 Soccer Stadium
1 Baseball Field
1 Softball Field
1 Track and Field Complex
2 Gymnasiums
14 Tennis Courts



UNIVERSITY OF NEW MEXICO

Mountain West Conference
690 Acres
25,000 Total Students
11% Live on Campus

Athletics and Recreation
10 Multiuse Recreation Fields
1 Football Stadium
3 Baseball Fields
1 Track and Field Complex
2 Gymnasiums
32 Tennis Courts



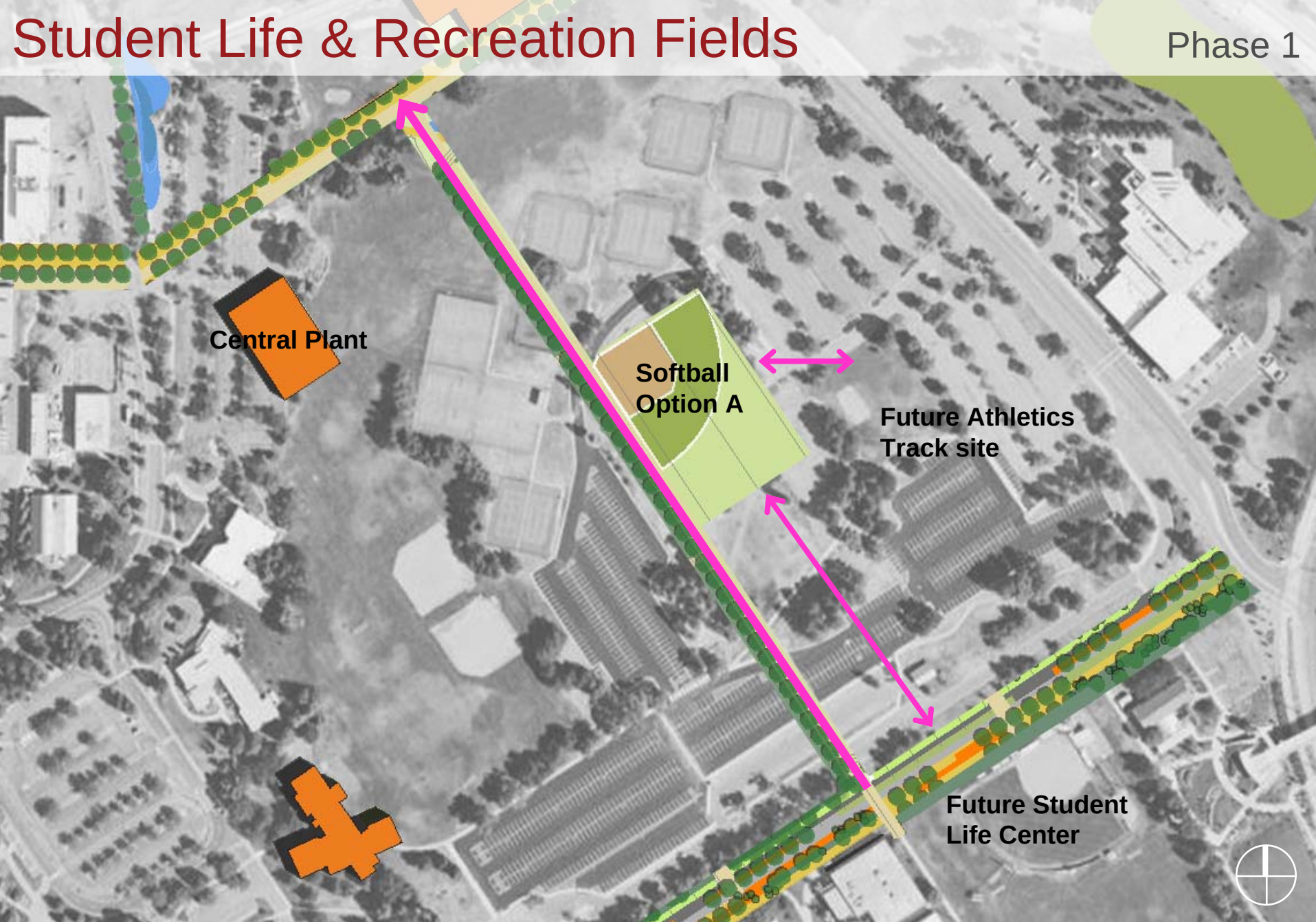
CAMPUS BOUNDARY
CAMPUS CORE
ATHLETIC AND RECREATION SPACE
MAJOR CAMPUS QUADS AND AXES
DISTINCTIVE NATURAL LANDSCAPES
PARKING

Student Life Center

Student Life & Recreation Fields

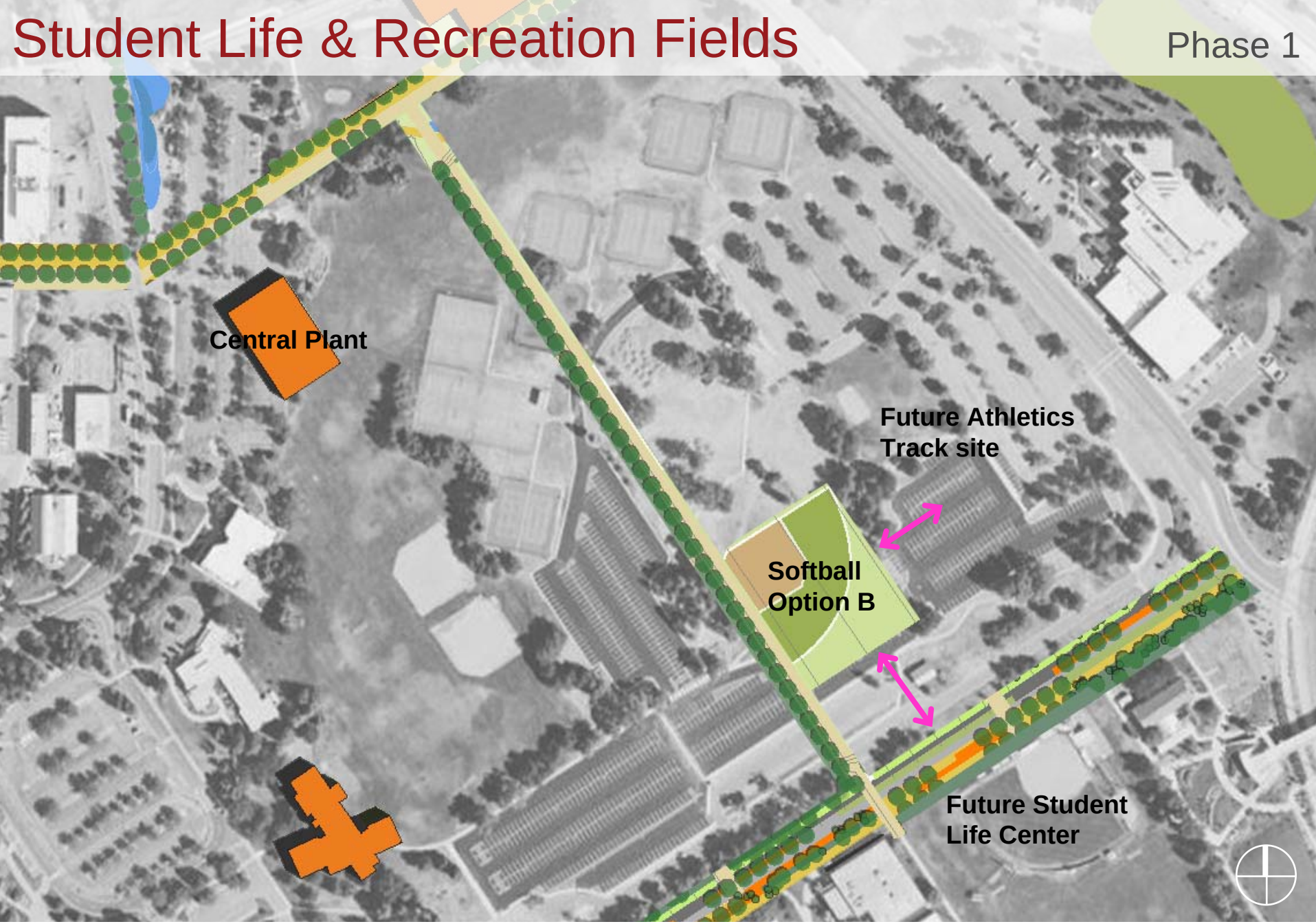
Student Life & Recreation Fields

Phase 1



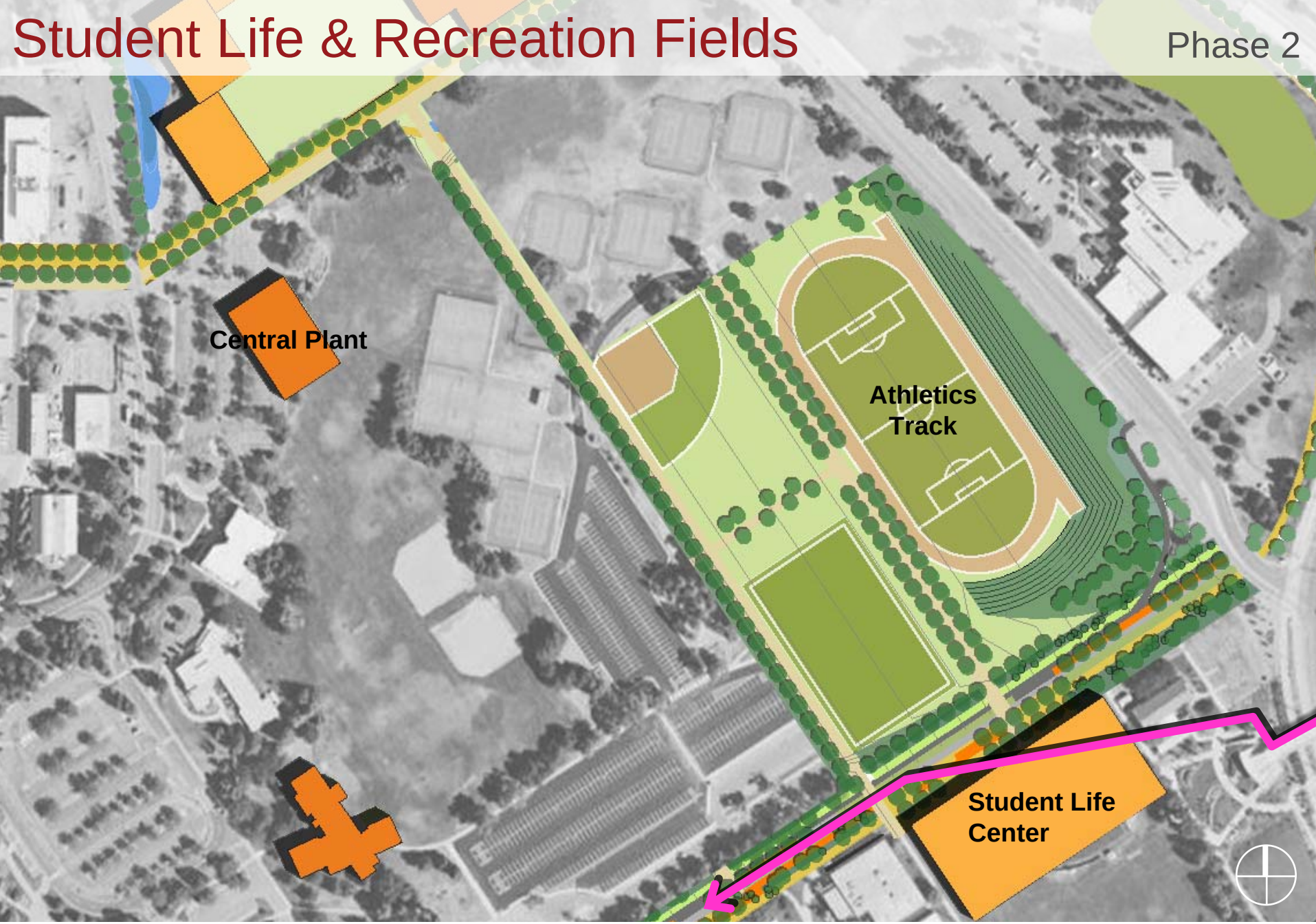
Student Life & Recreation Fields

Phase 1

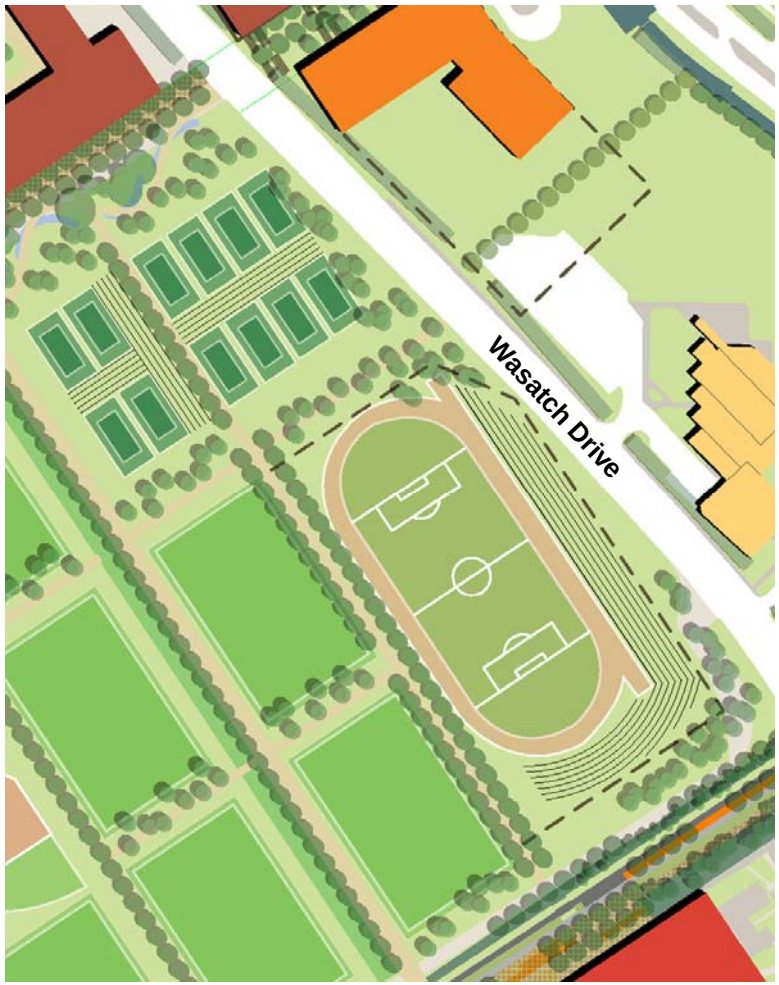


Student Life & Recreation Fields

Phase 2

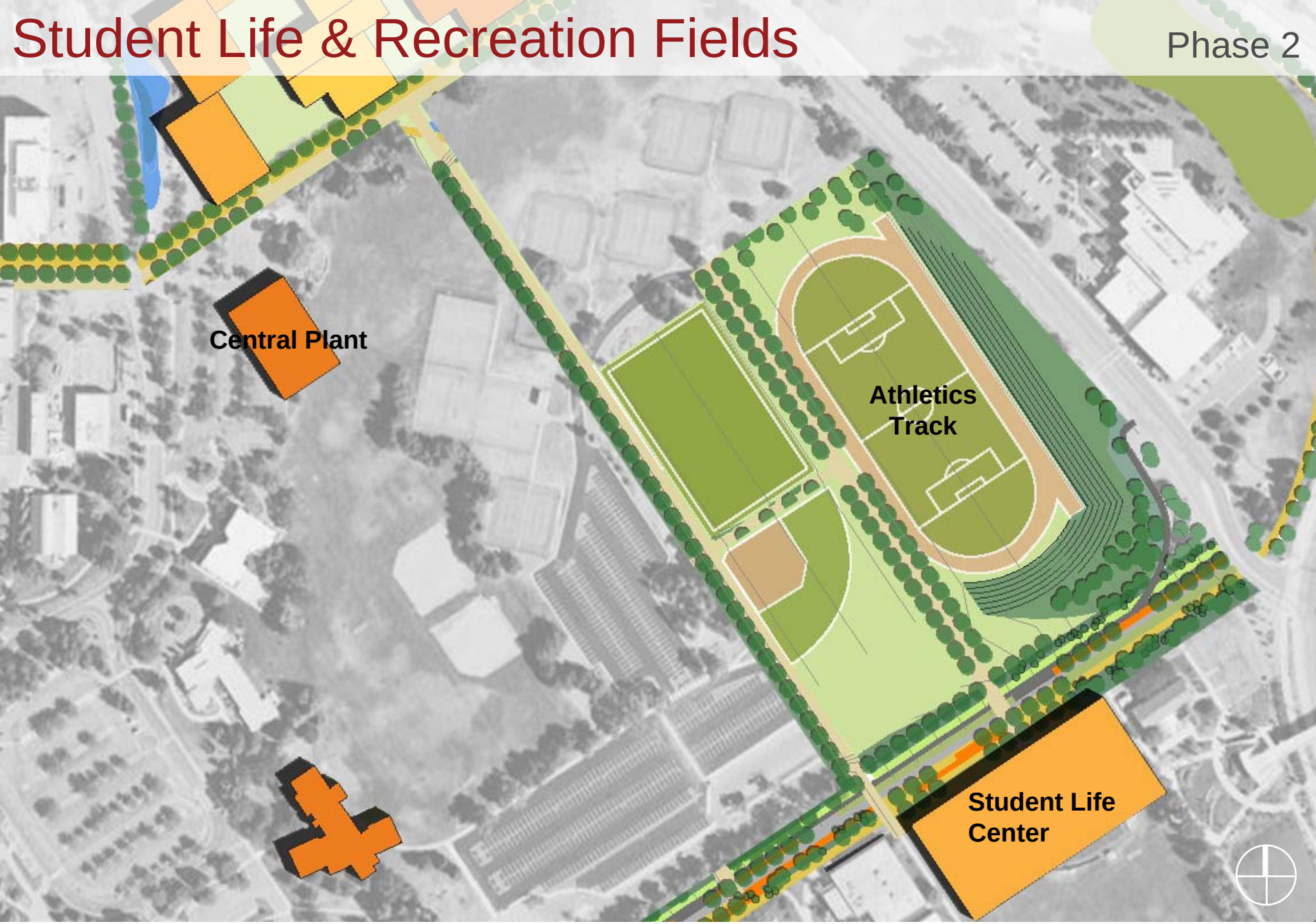


Recreation Fields: Berm Seating



Student Life & Recreation Fields

Phase 2

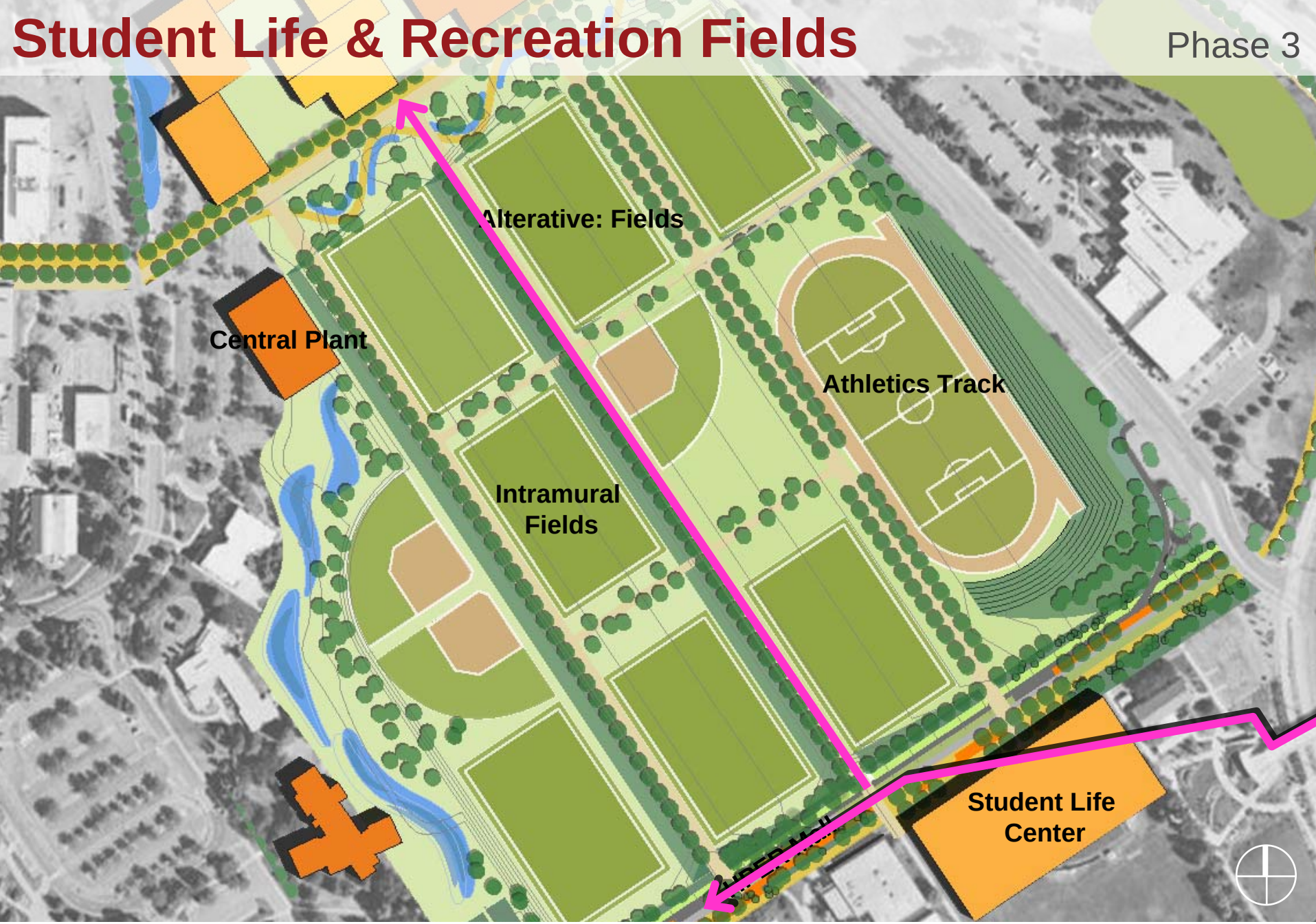


Student Life & Recreation Fields

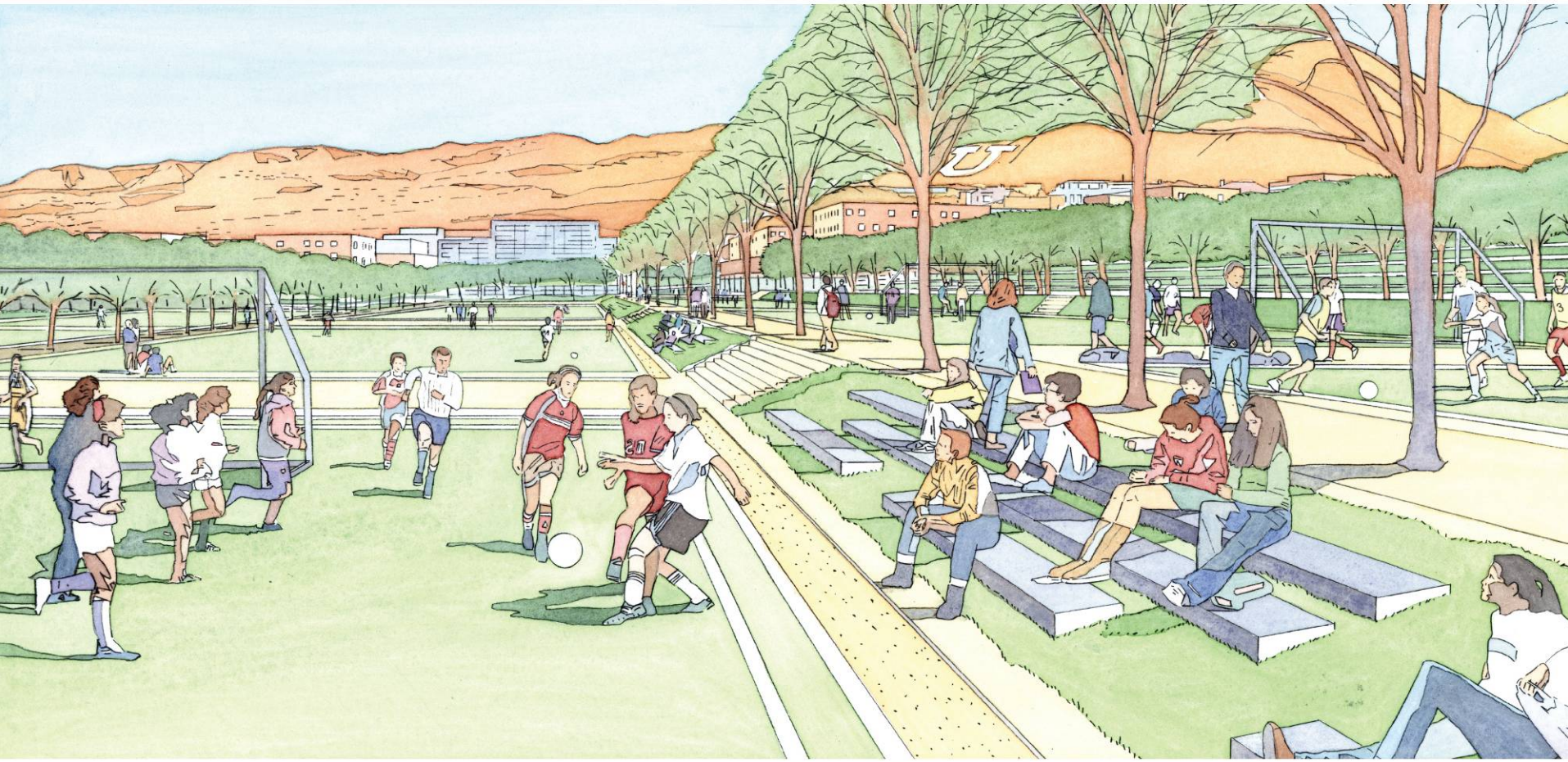
Phase 3

Student Life & Recreation Fields

Phase 3



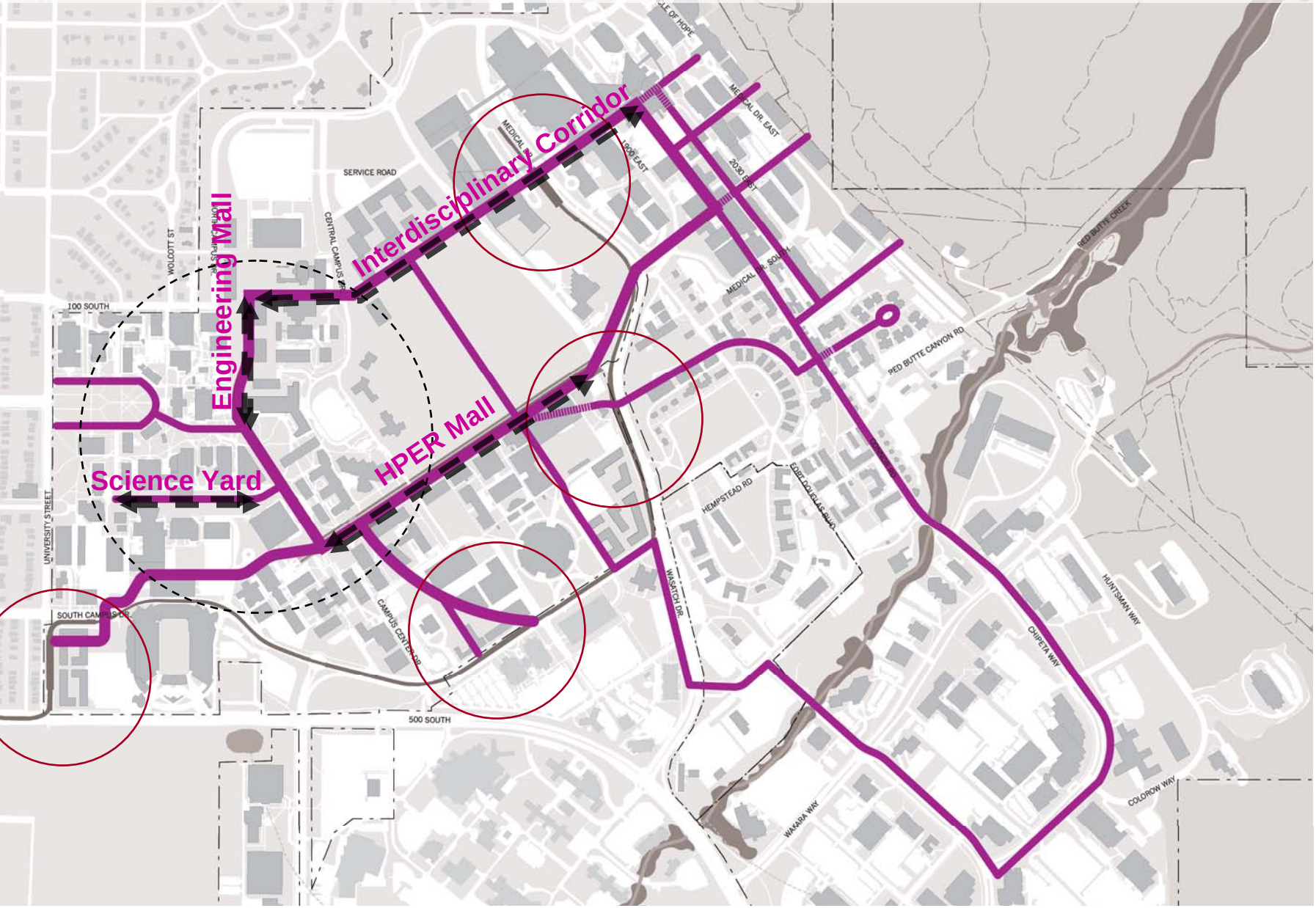
Student Life & Recreation Fields



Enhanced Pedestrian Framework

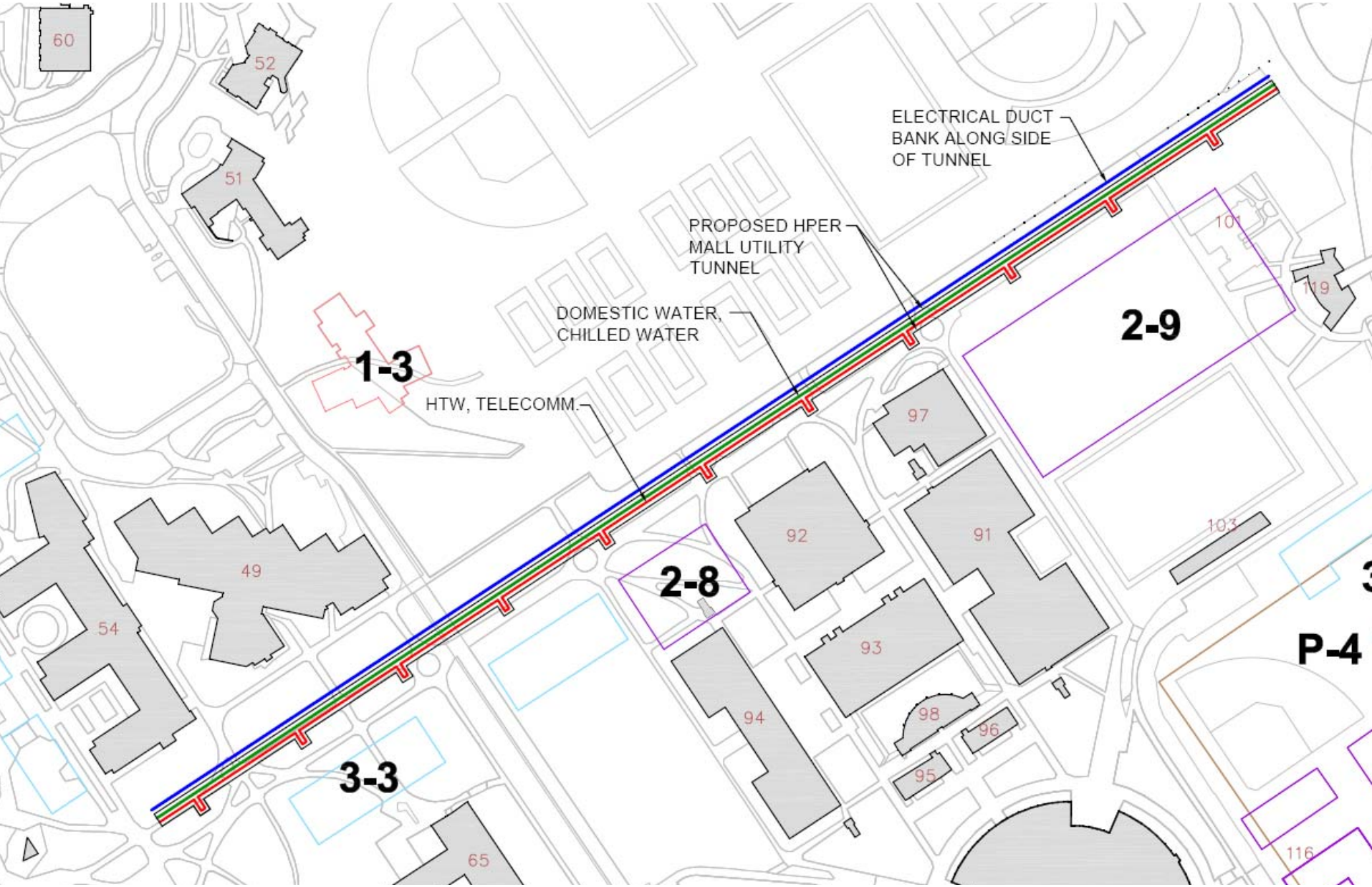
HPER Mall

Enhanced Pedestrian Circulation Framework

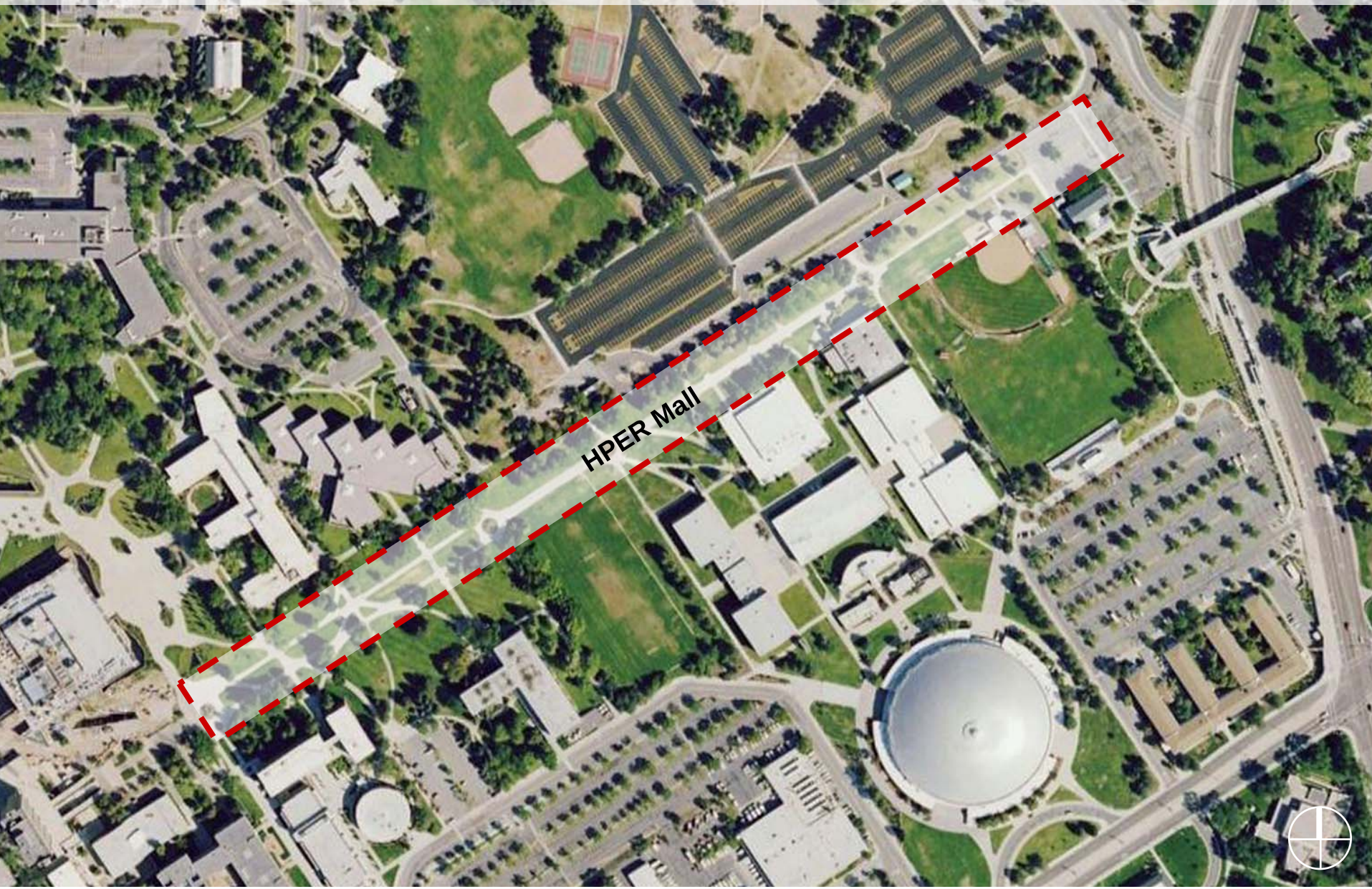


HPER Mall Today

HPER Mall: Utility Tunnel

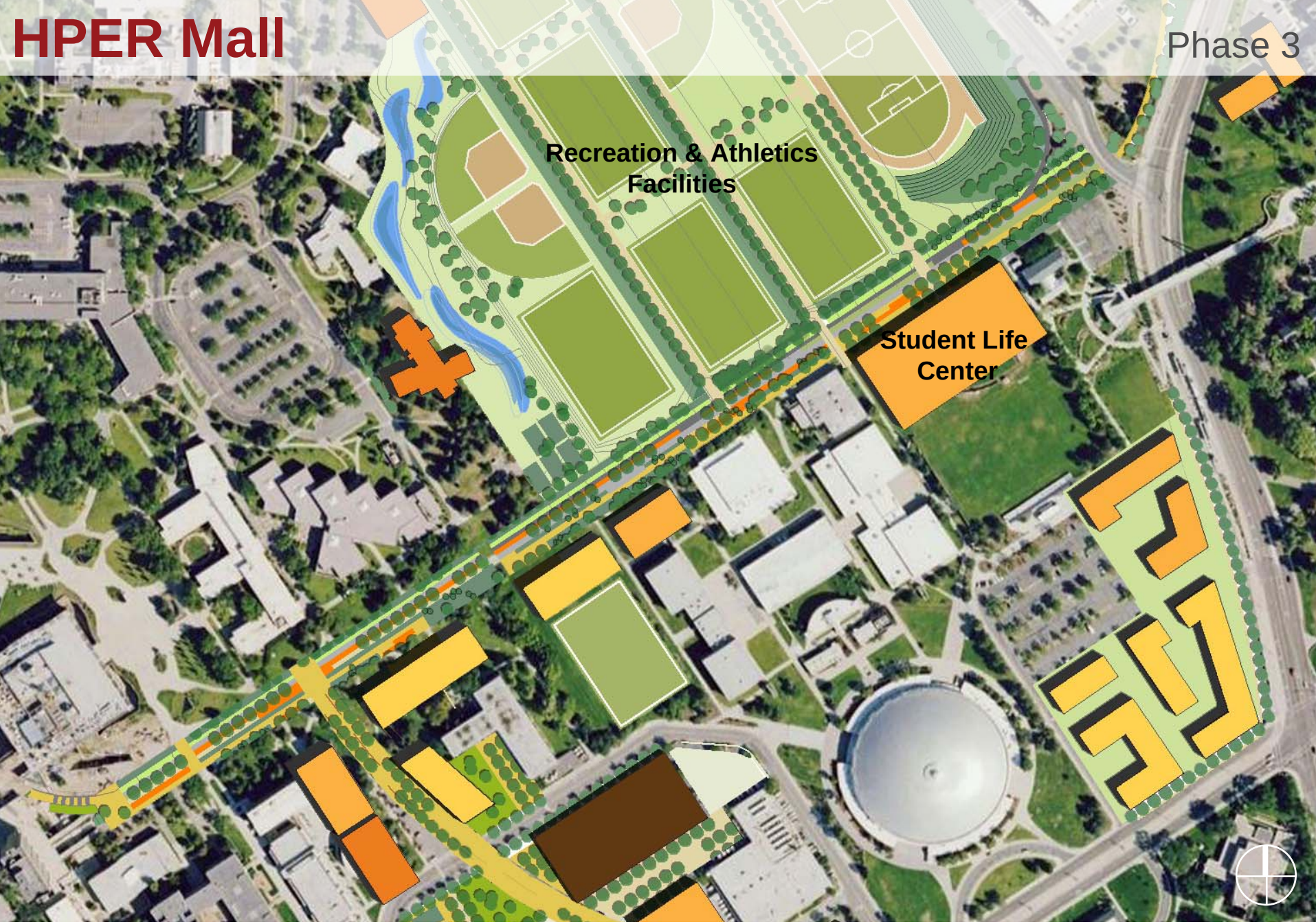


HPER Mall Today



HPER Mall

Phase 3

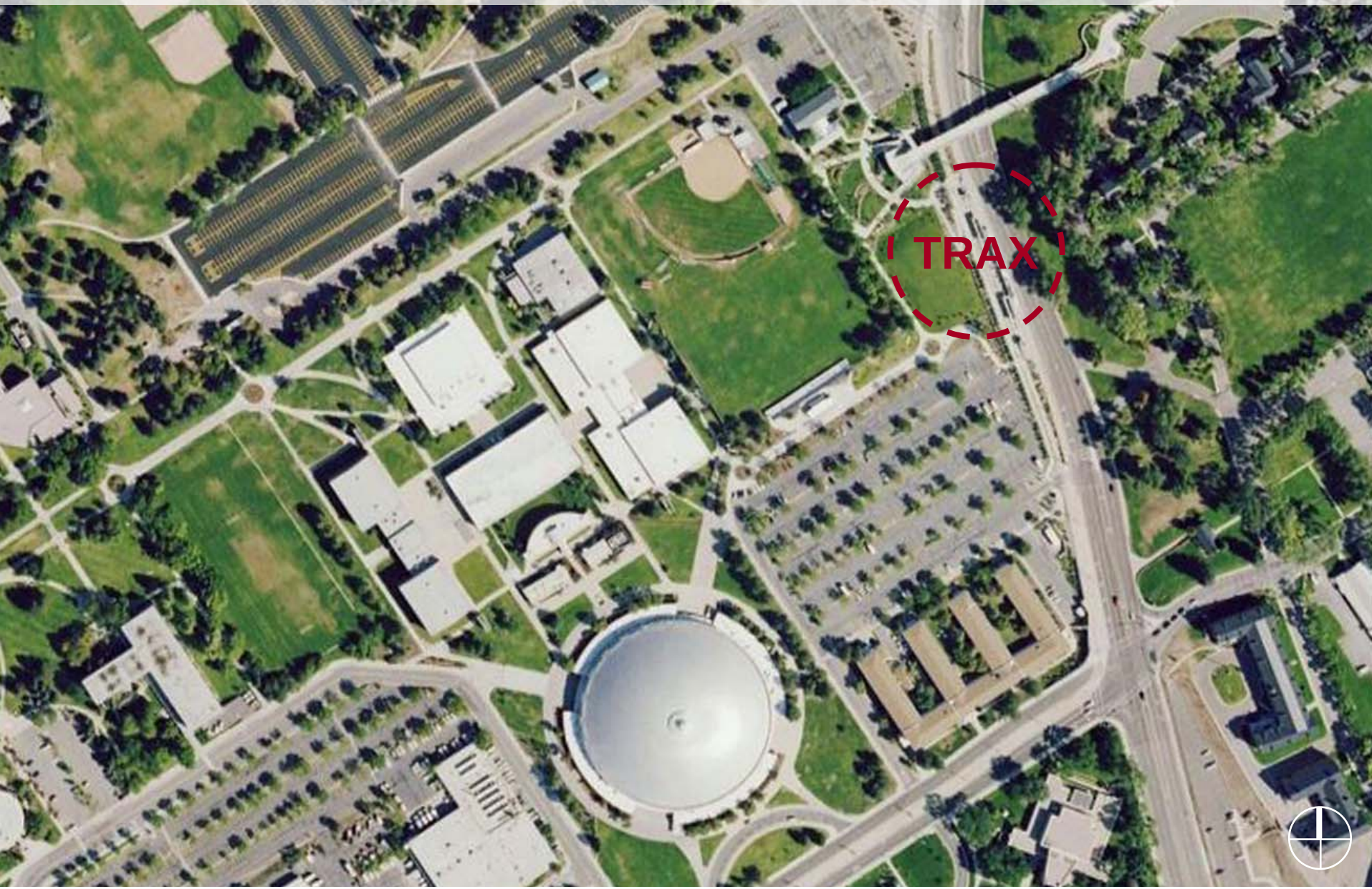


HPER Mall: Vision

HPER Mall: Vision

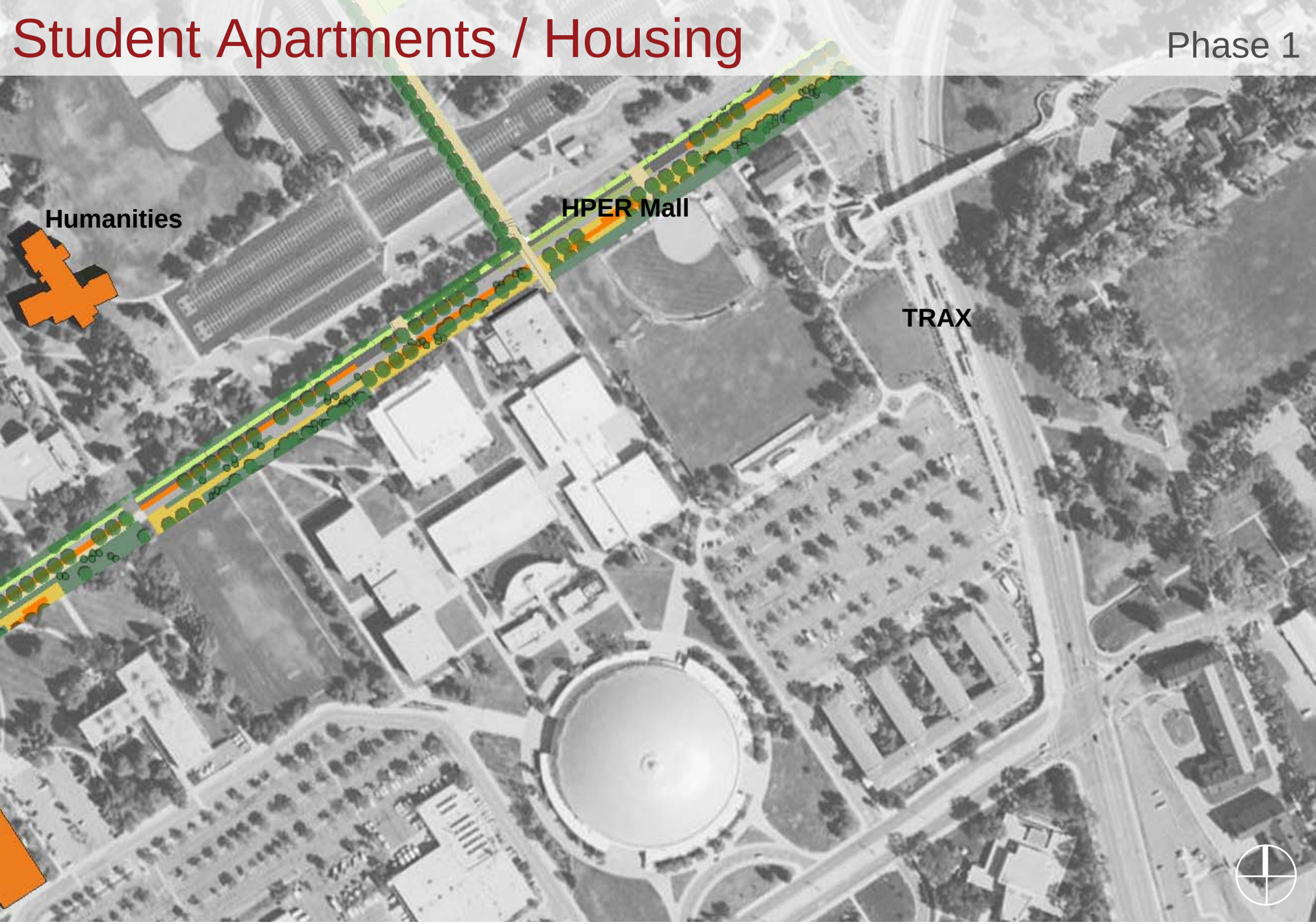
Annex | Ft. Douglas Station Housing

Campus Housing



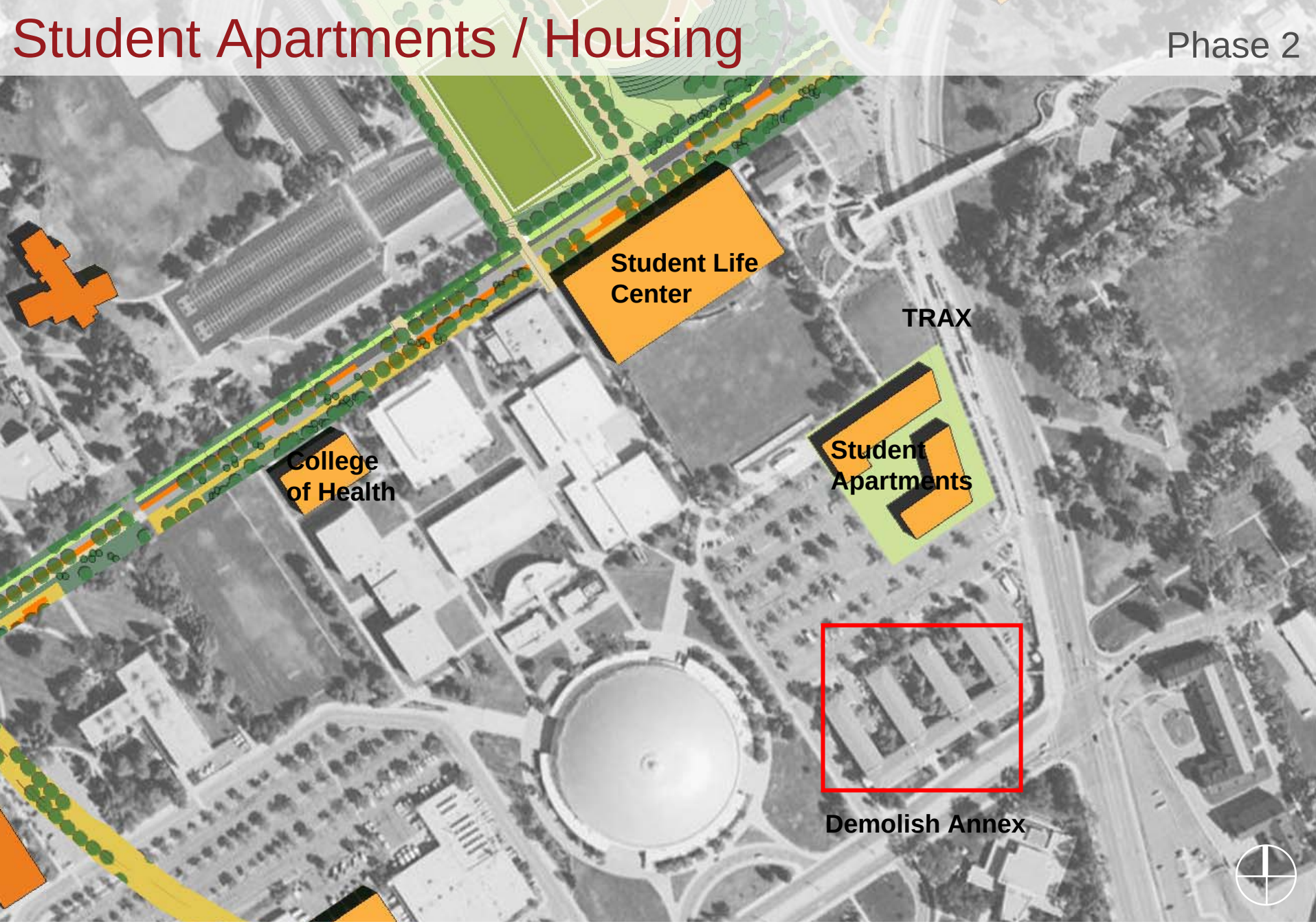
Student Apartments / Housing

Phase 1



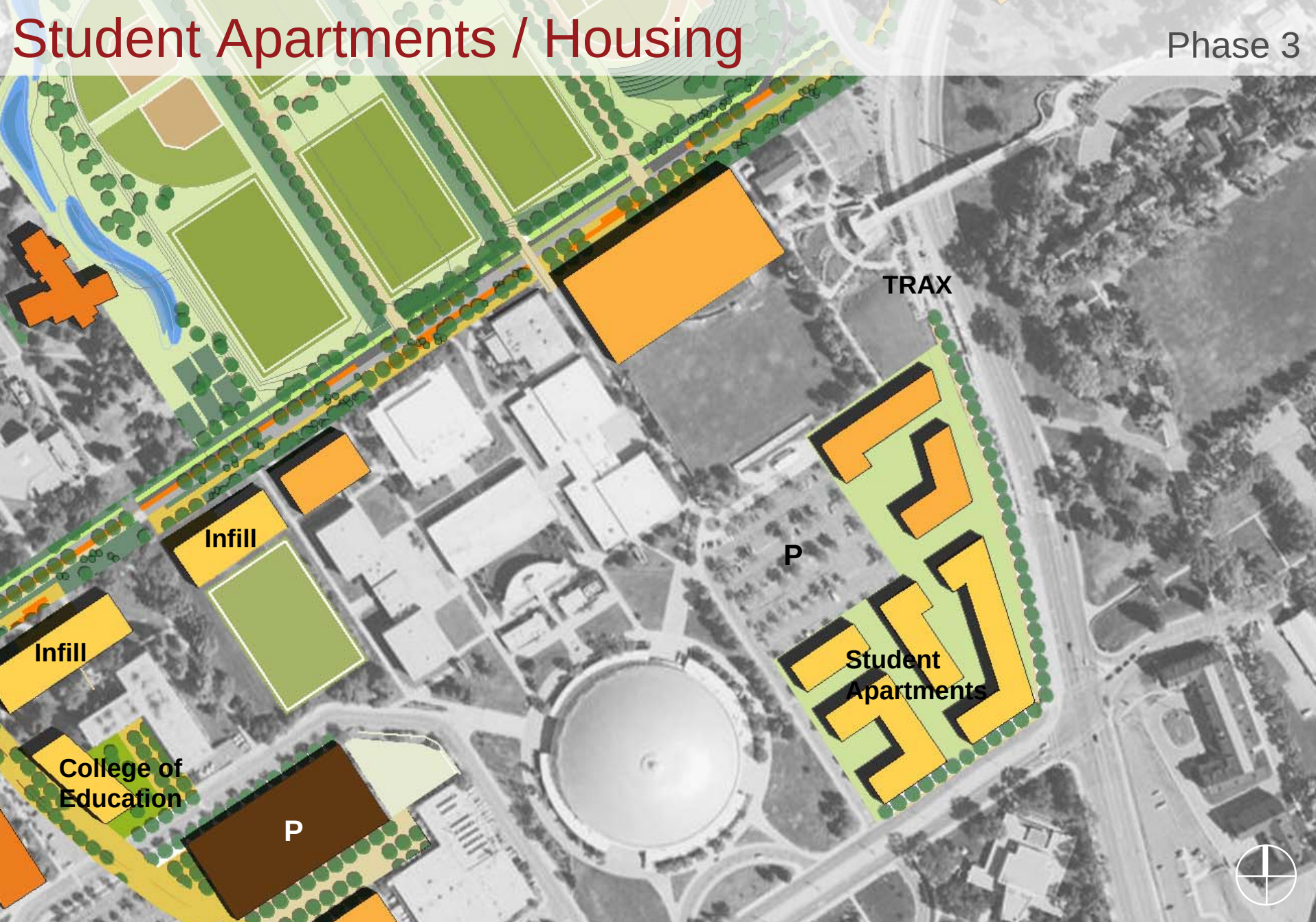
Student Apartments / Housing

Phase 2



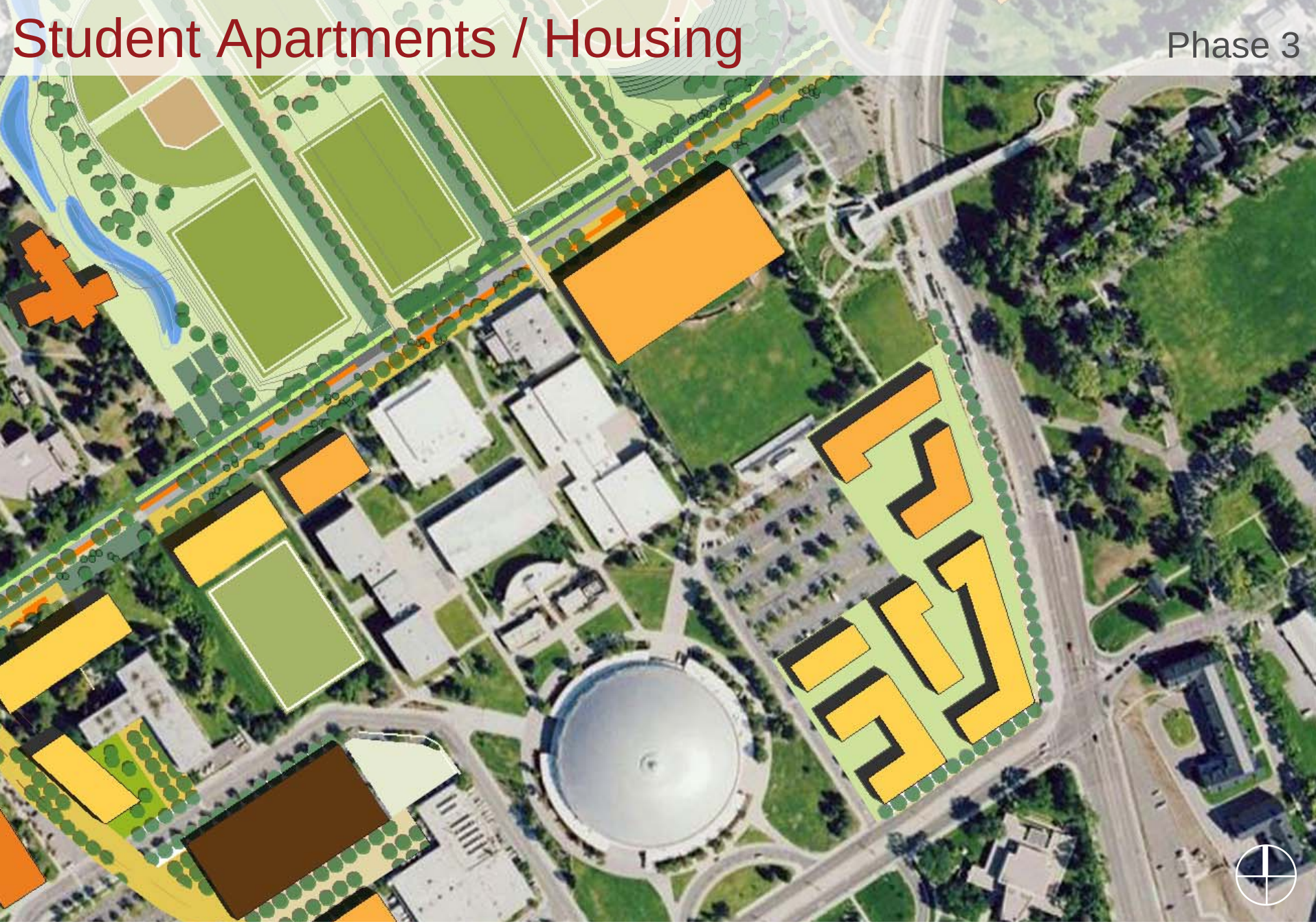
Student Apartments / Housing

Phase 3



Student Apartments / Housing

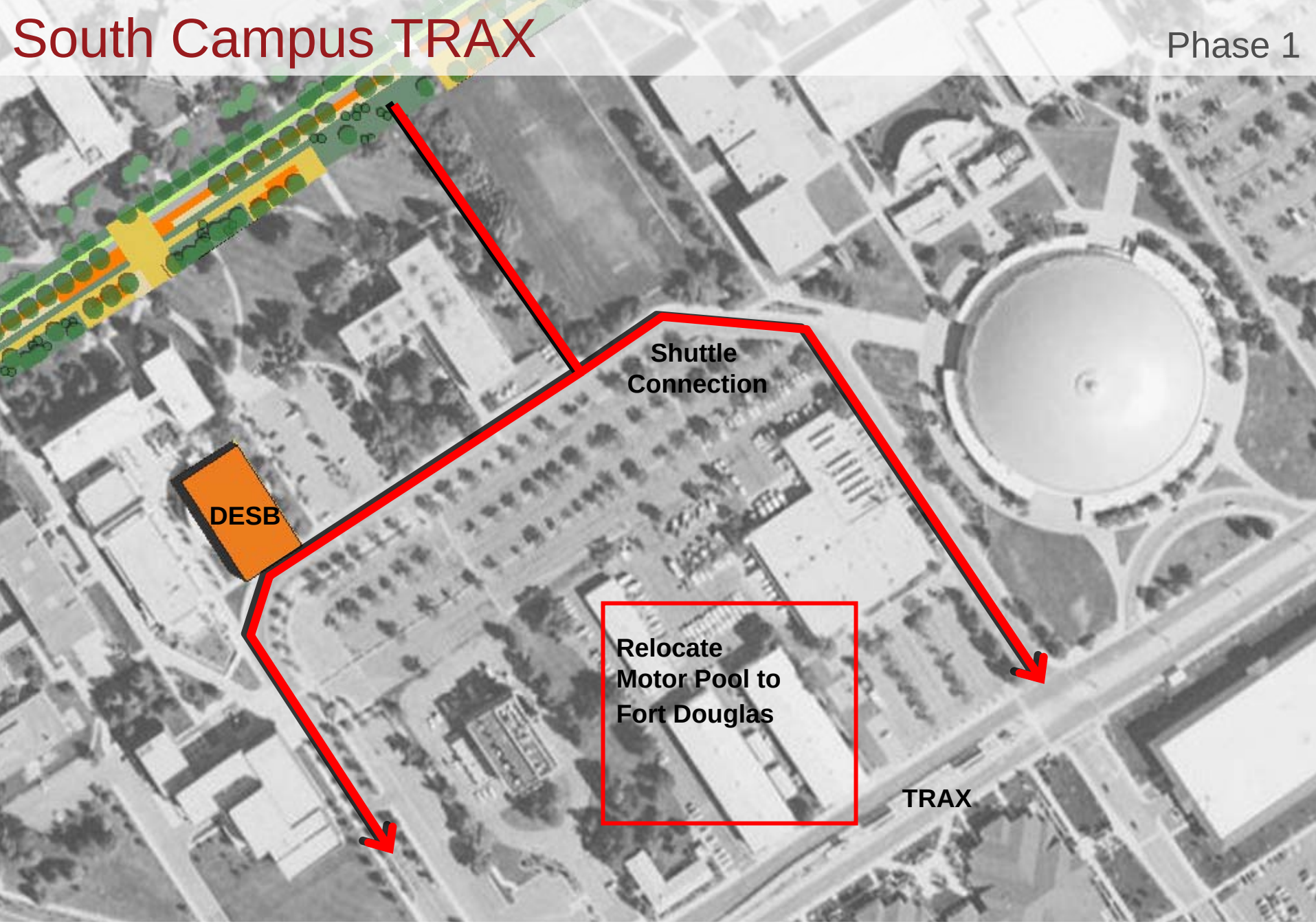
Phase 3



South Campus TRAX

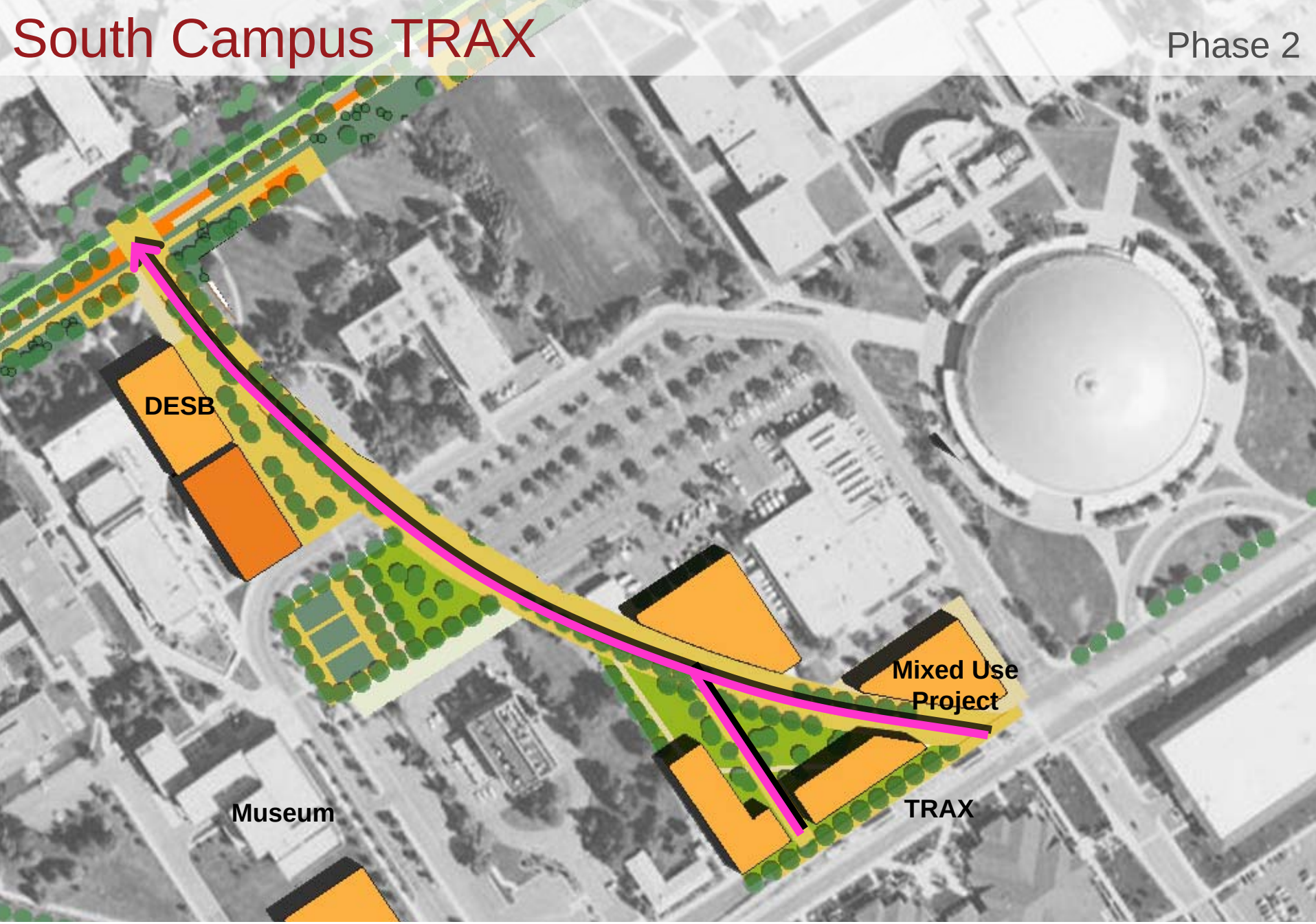
South Campus TRAX

Phase 1



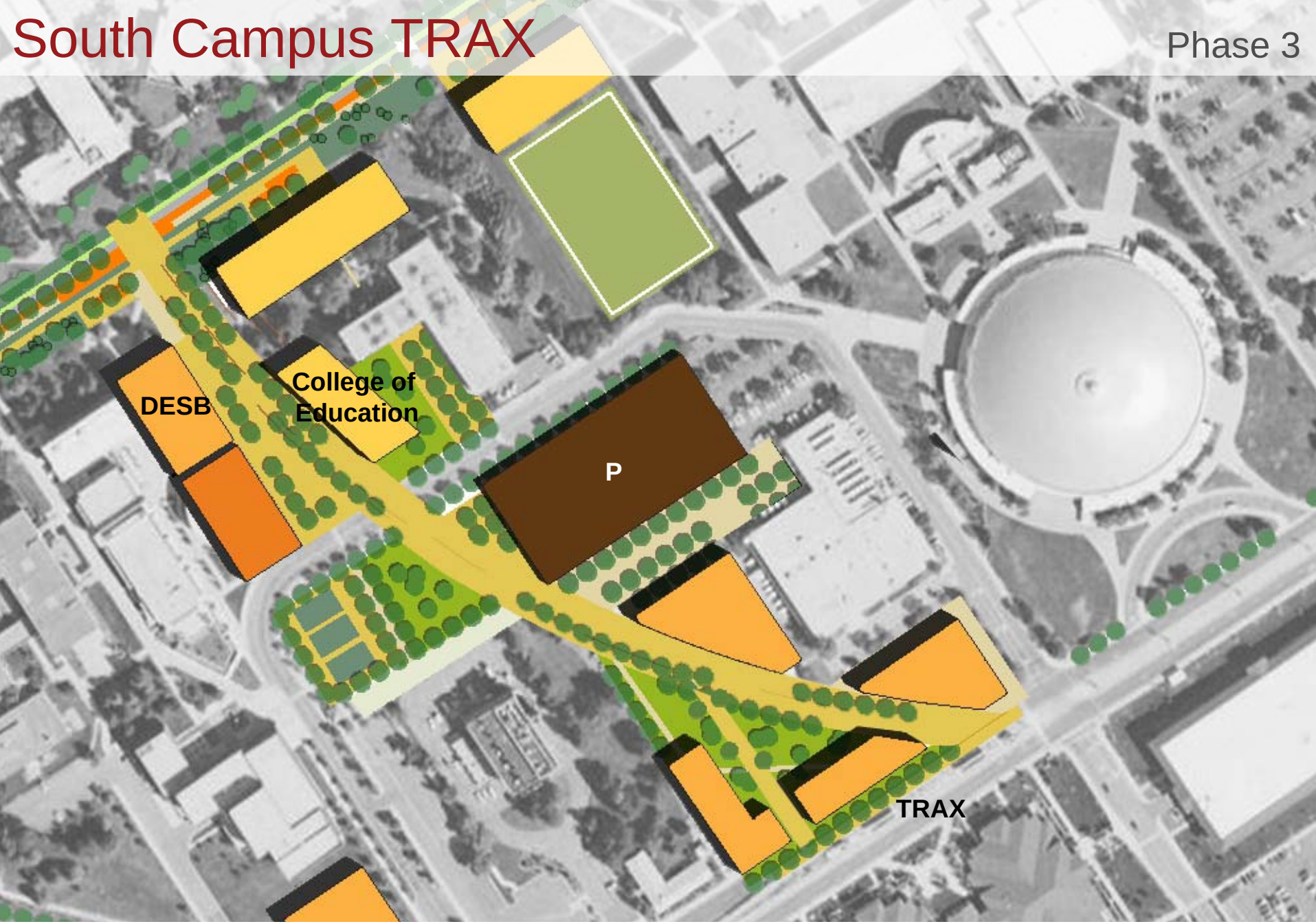
South Campus TRAX

Phase 2



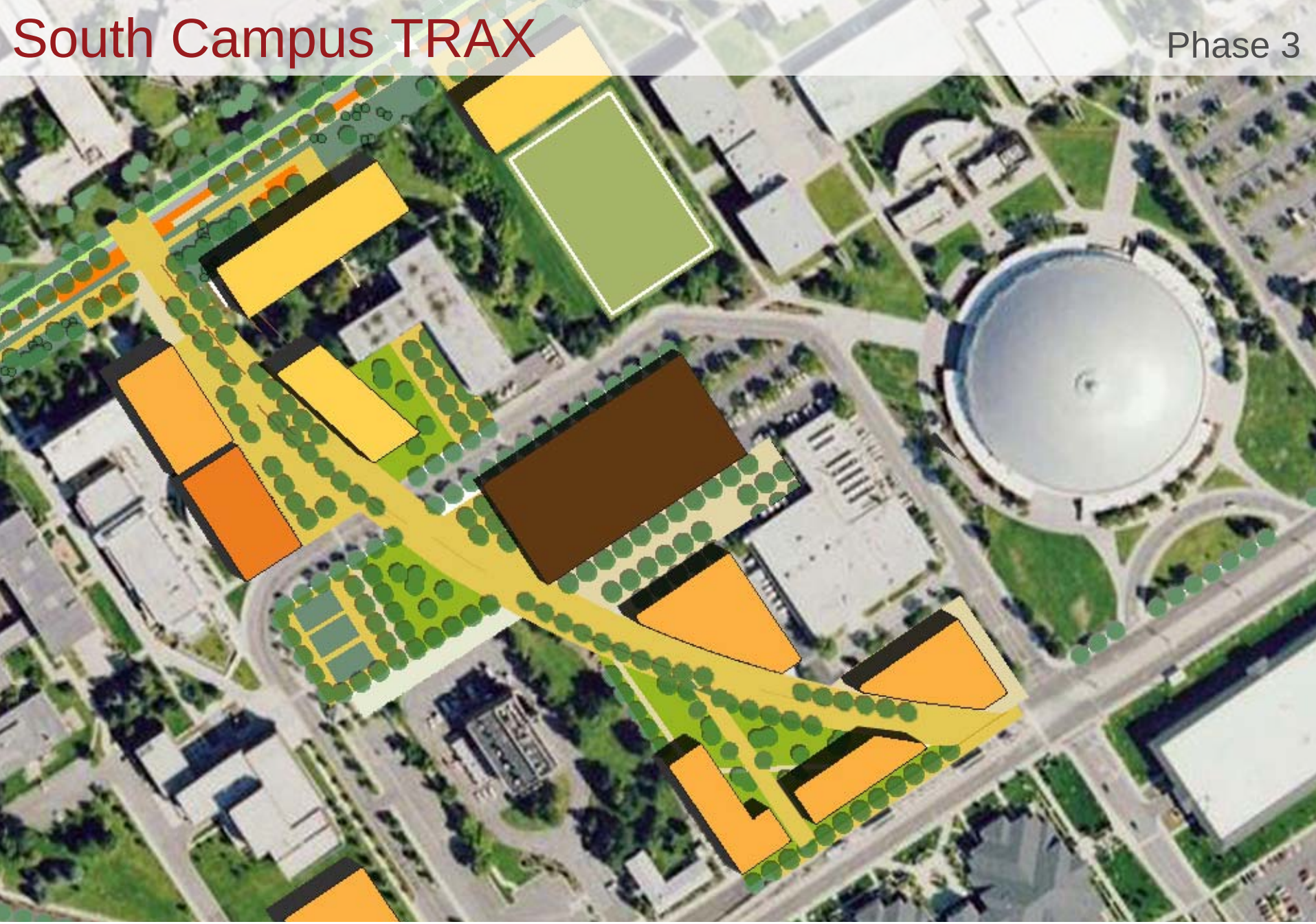
South Campus TRAX

Phase 3

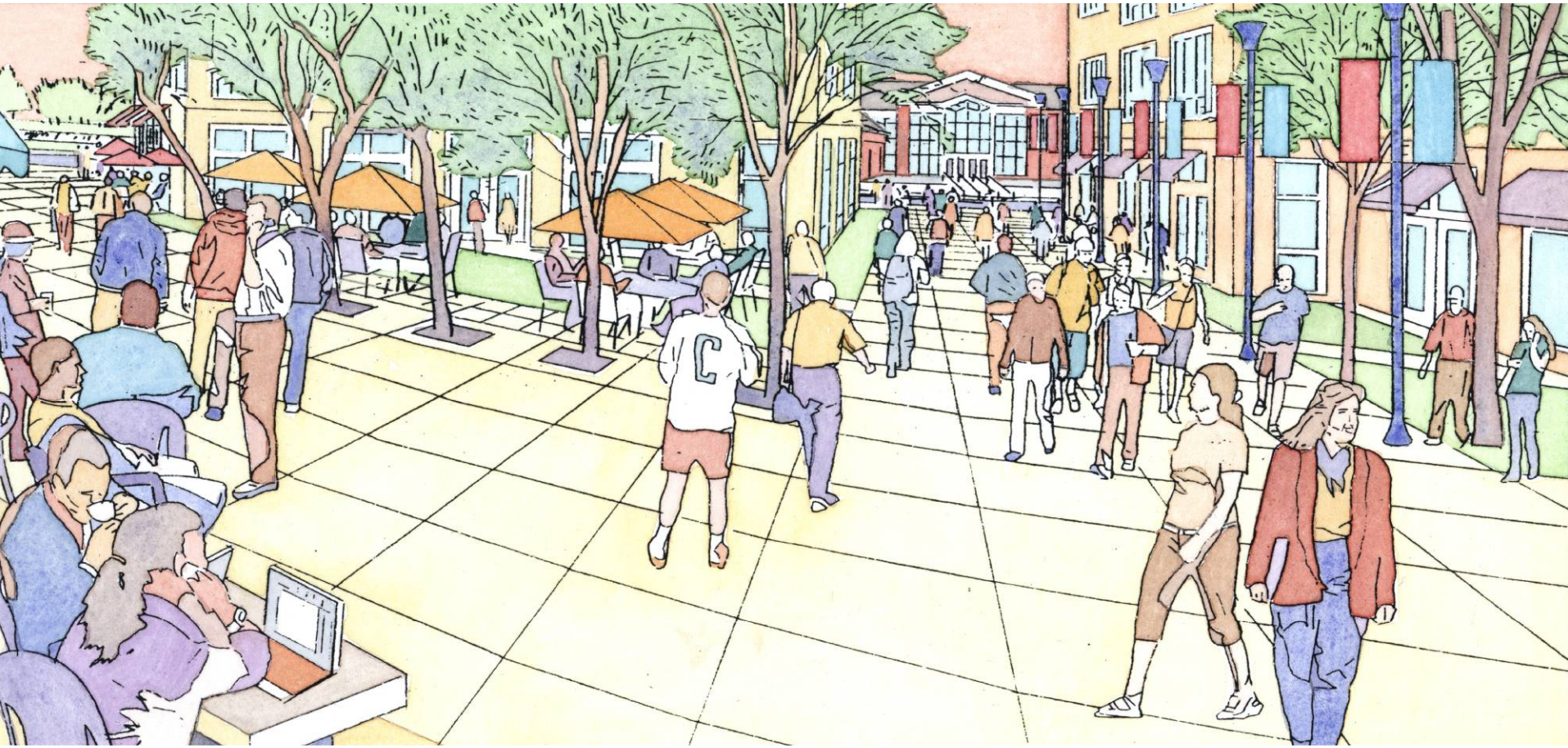


South Campus TRAX

Phase 3



South Campus TRAX

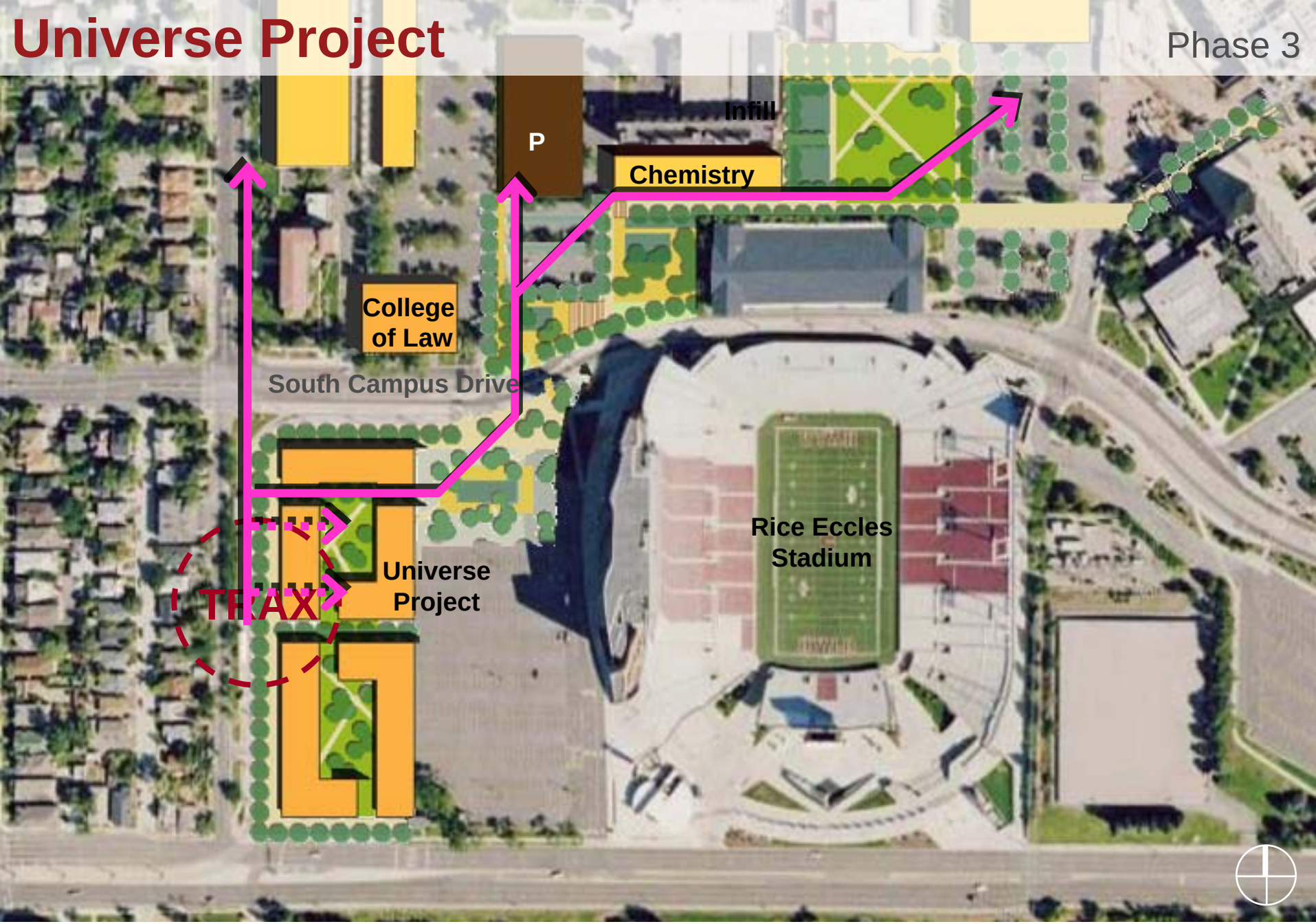


Universe Project

Universe Project

Universe Project

Phase 3



Universe Project

Science Yard and Law School

Science Yard & Law School Today

Science Yard & Law School

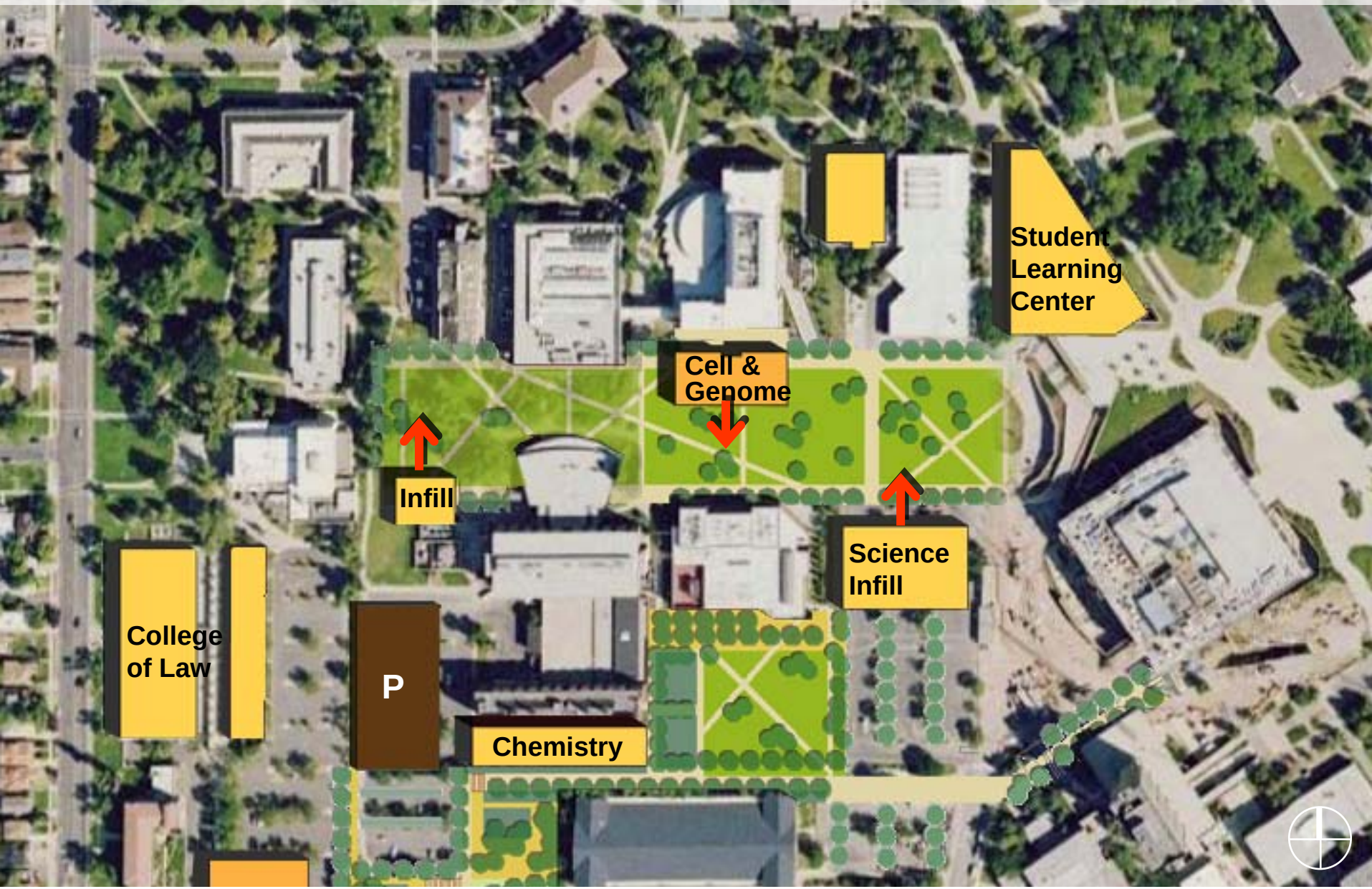
Phase 1

Science Yard & Law School

Phase 2

Science Yard

Phase 3



Science Yard & Law School

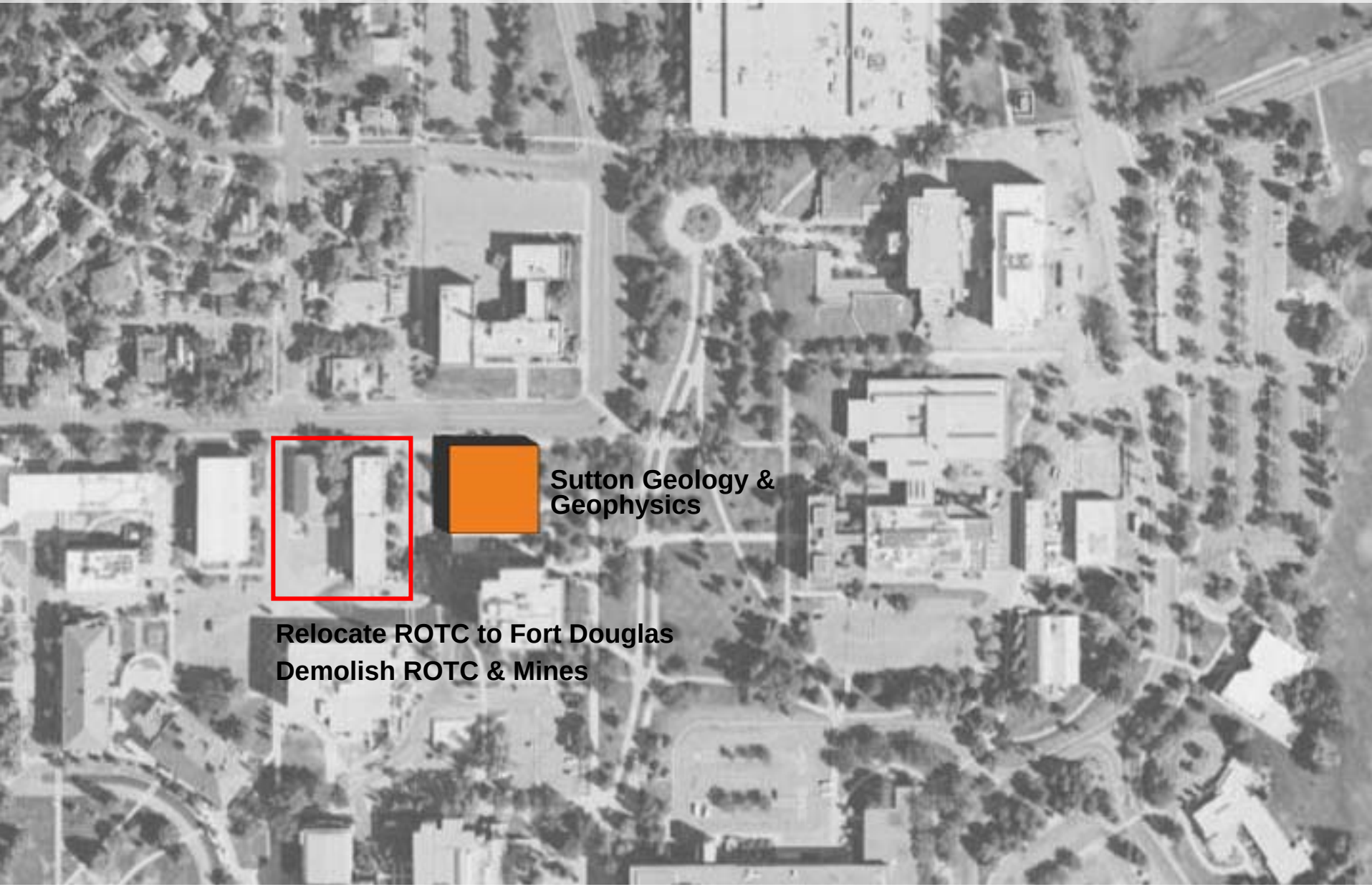
Engineering Mall

Engineering Mall

Engineering Mall

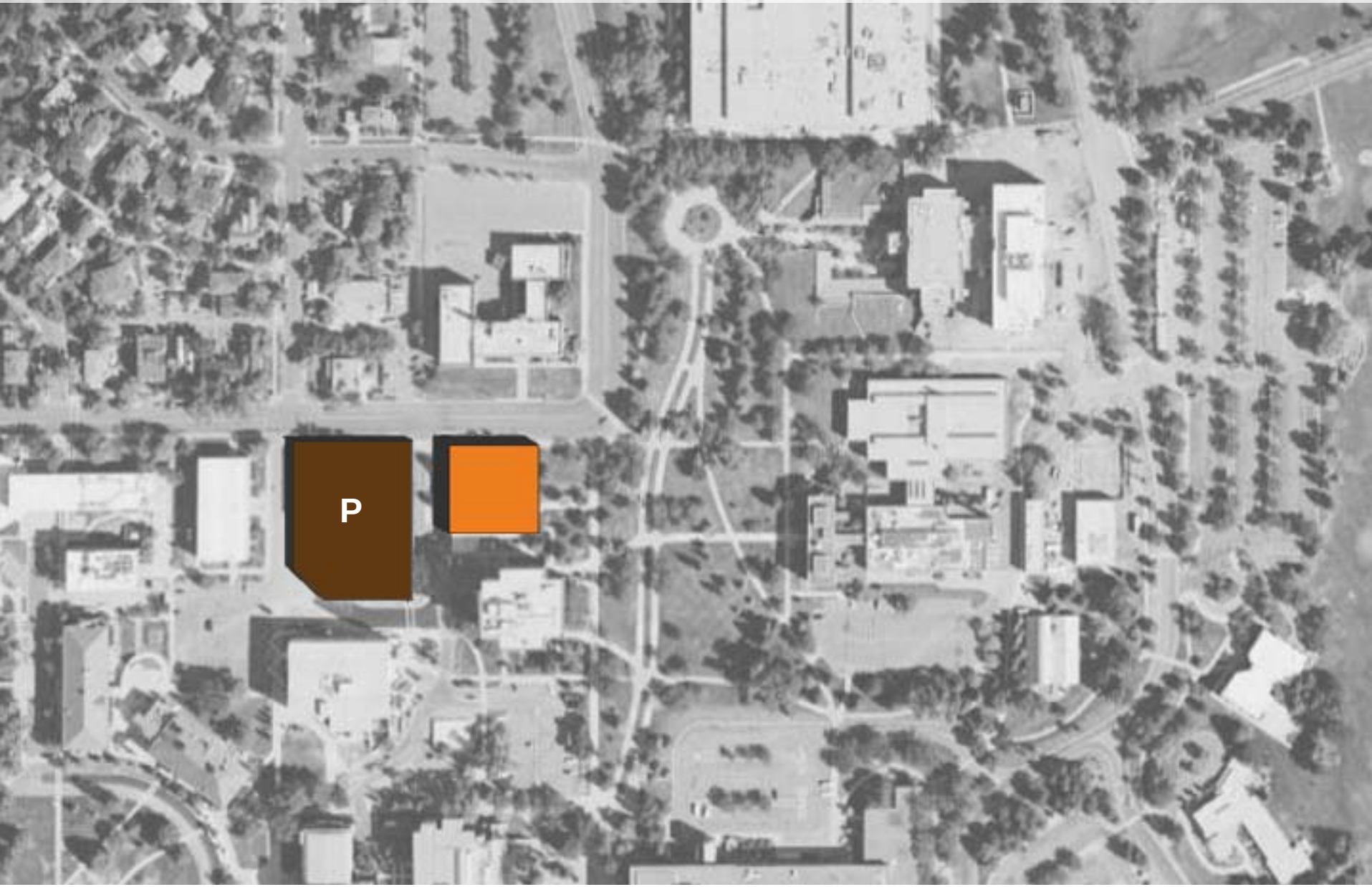
Engineering Mall

Phase 1



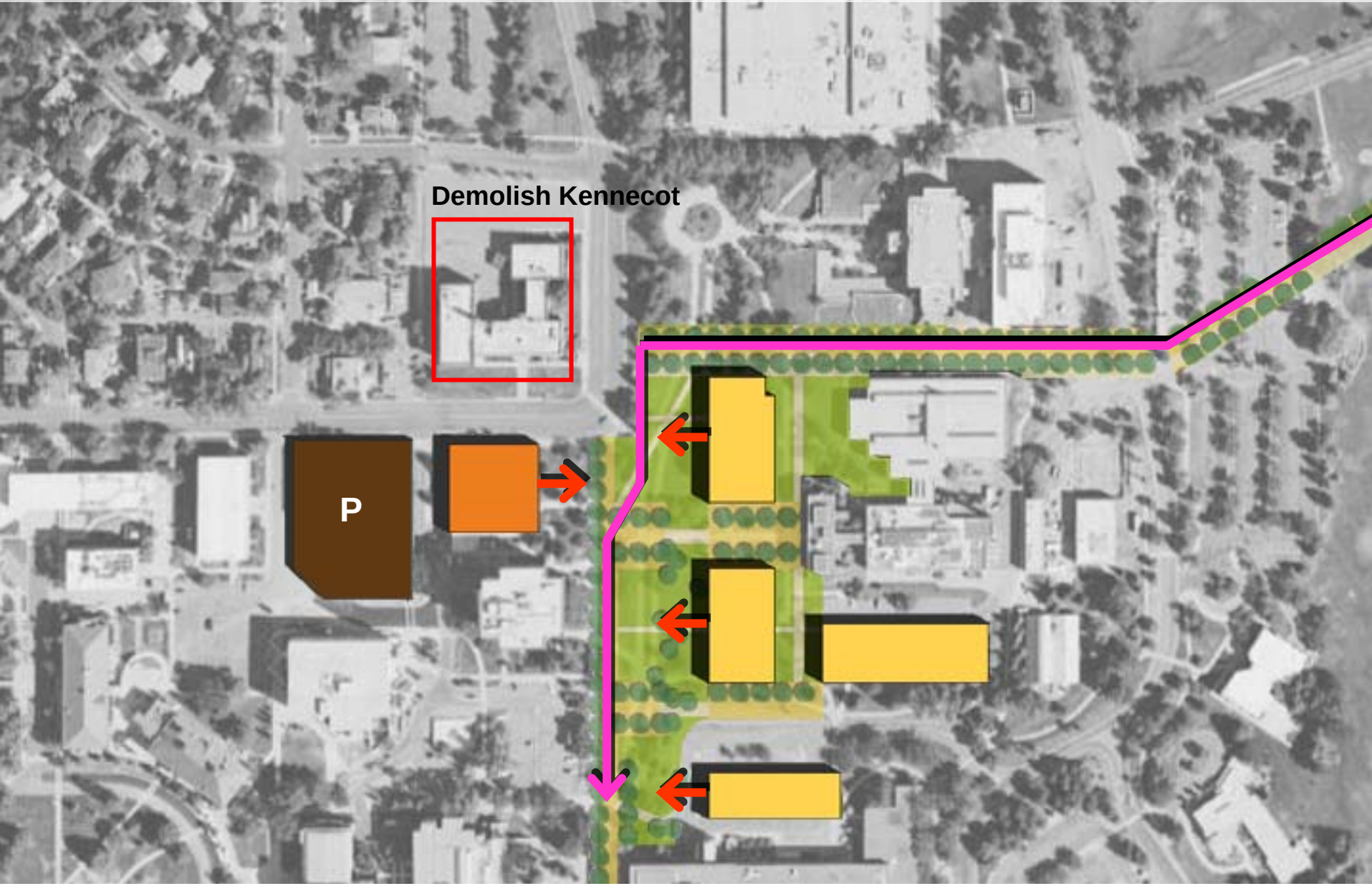
Engineering Mall

Phase 1



Engineering Mall

Phase 3

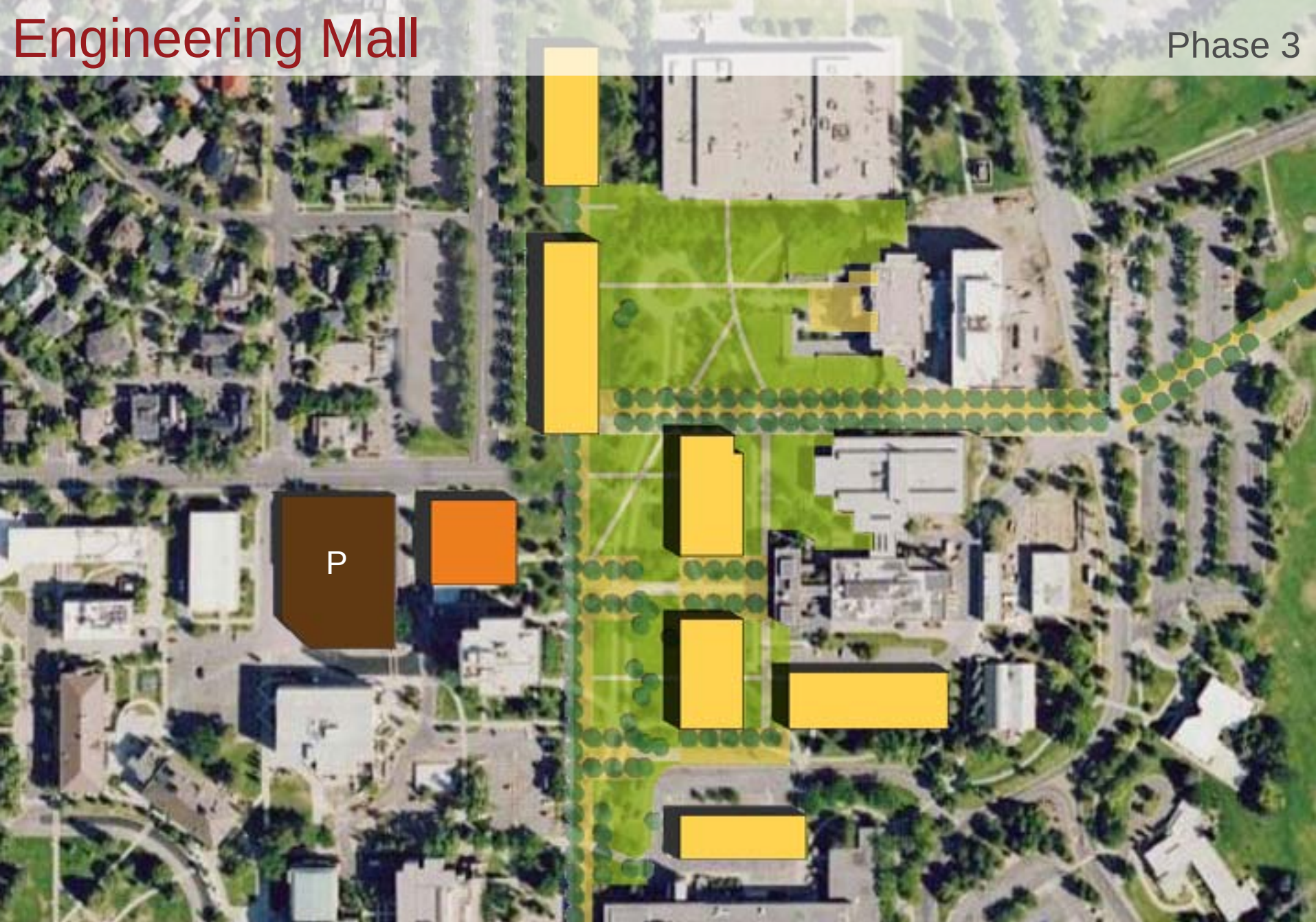


Engineering Mall

Phase 3

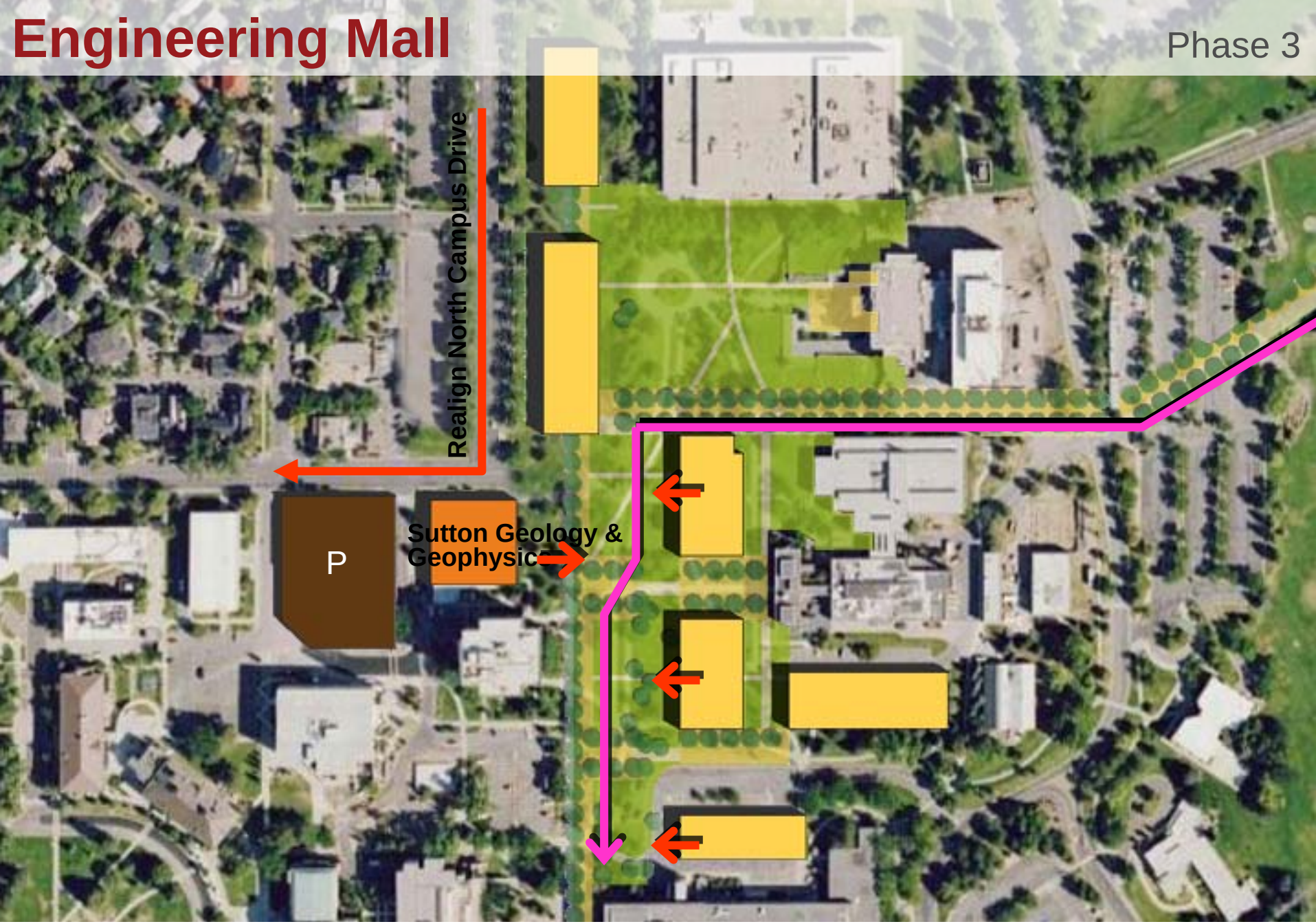
Engineering Mall

Phase 3

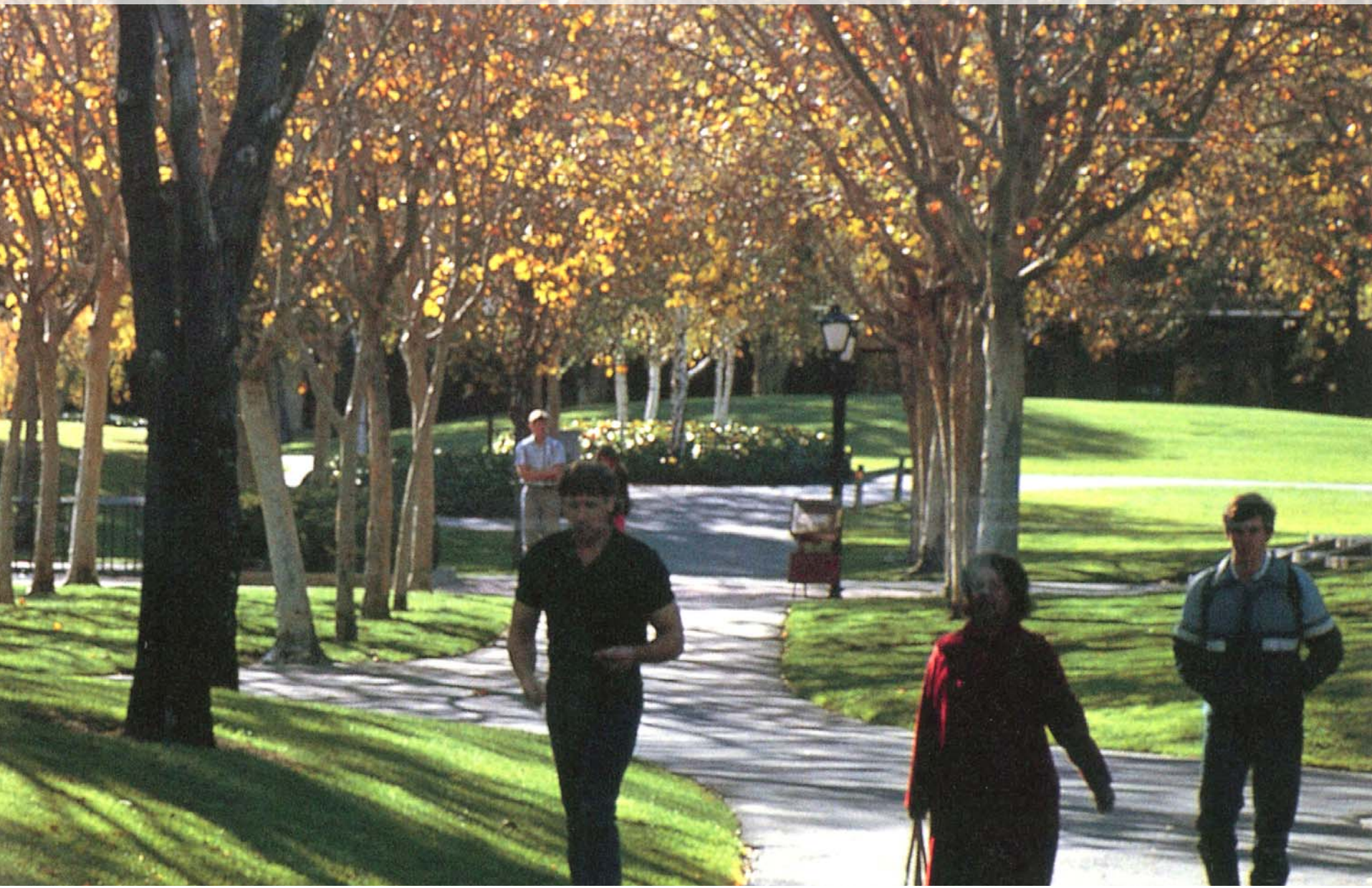


Engineering Mall

Phase 3



Engineering Mall

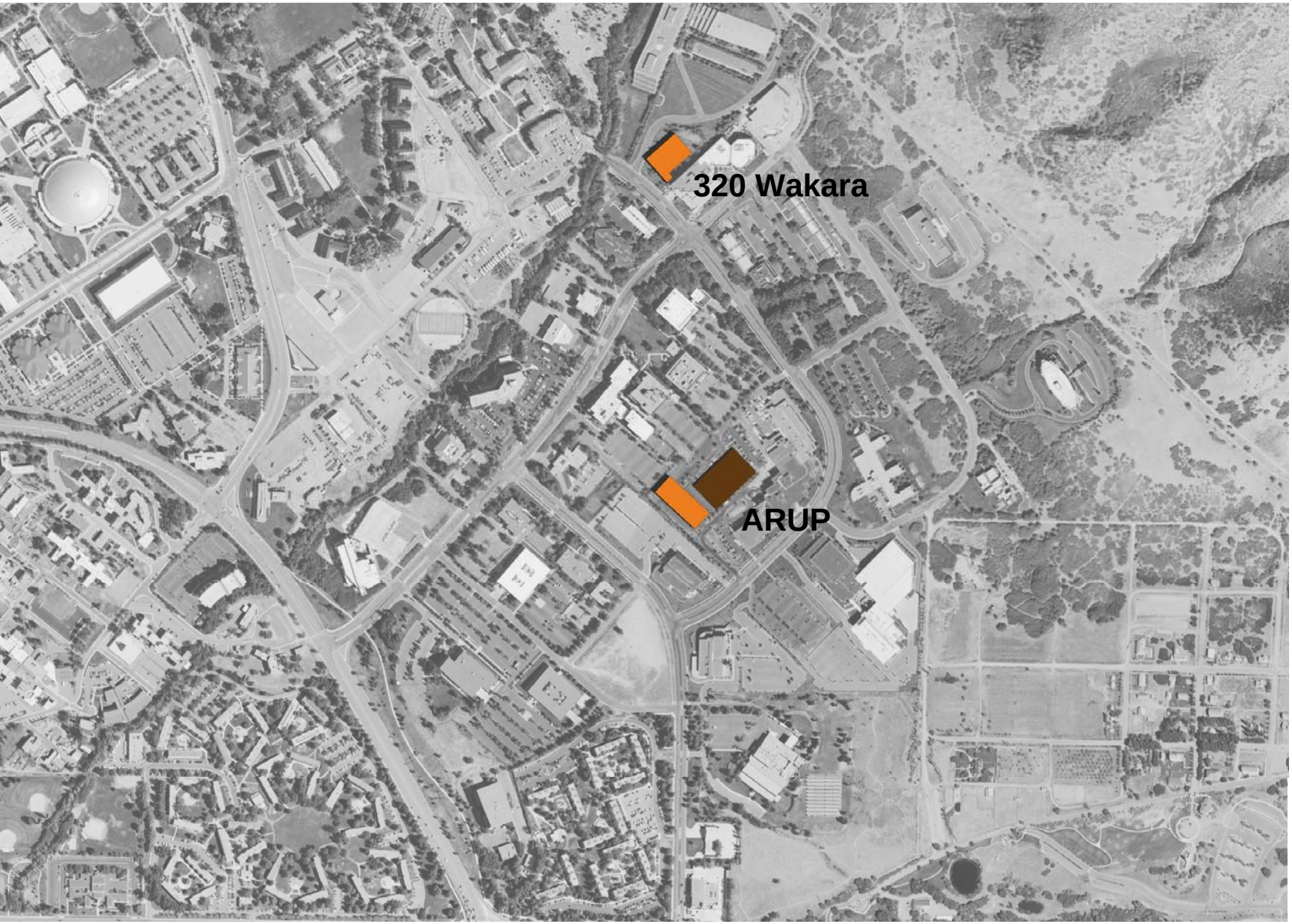


Research Park

Research Park

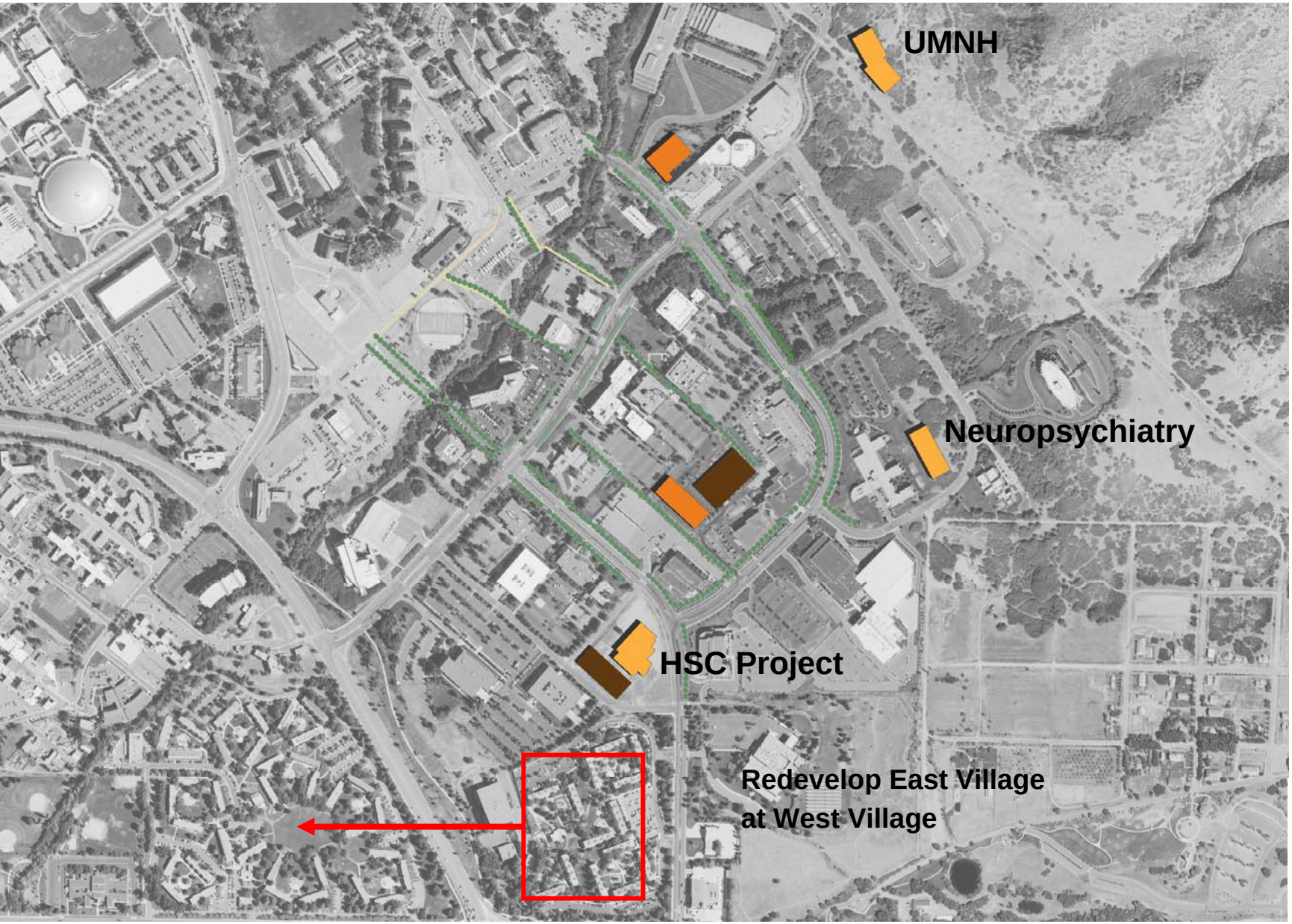
Research Park

Phase 1



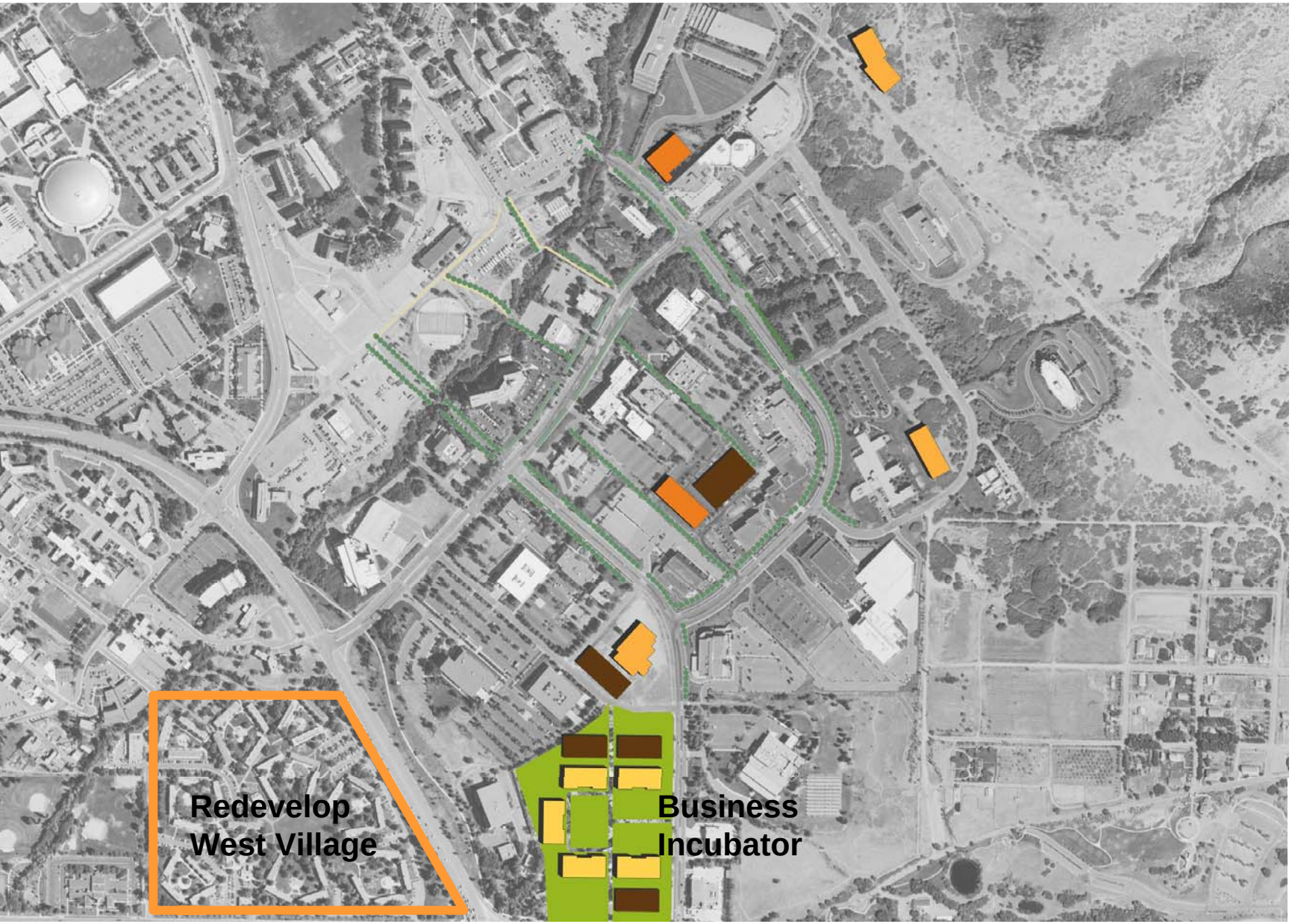
Research Park

Phase 2

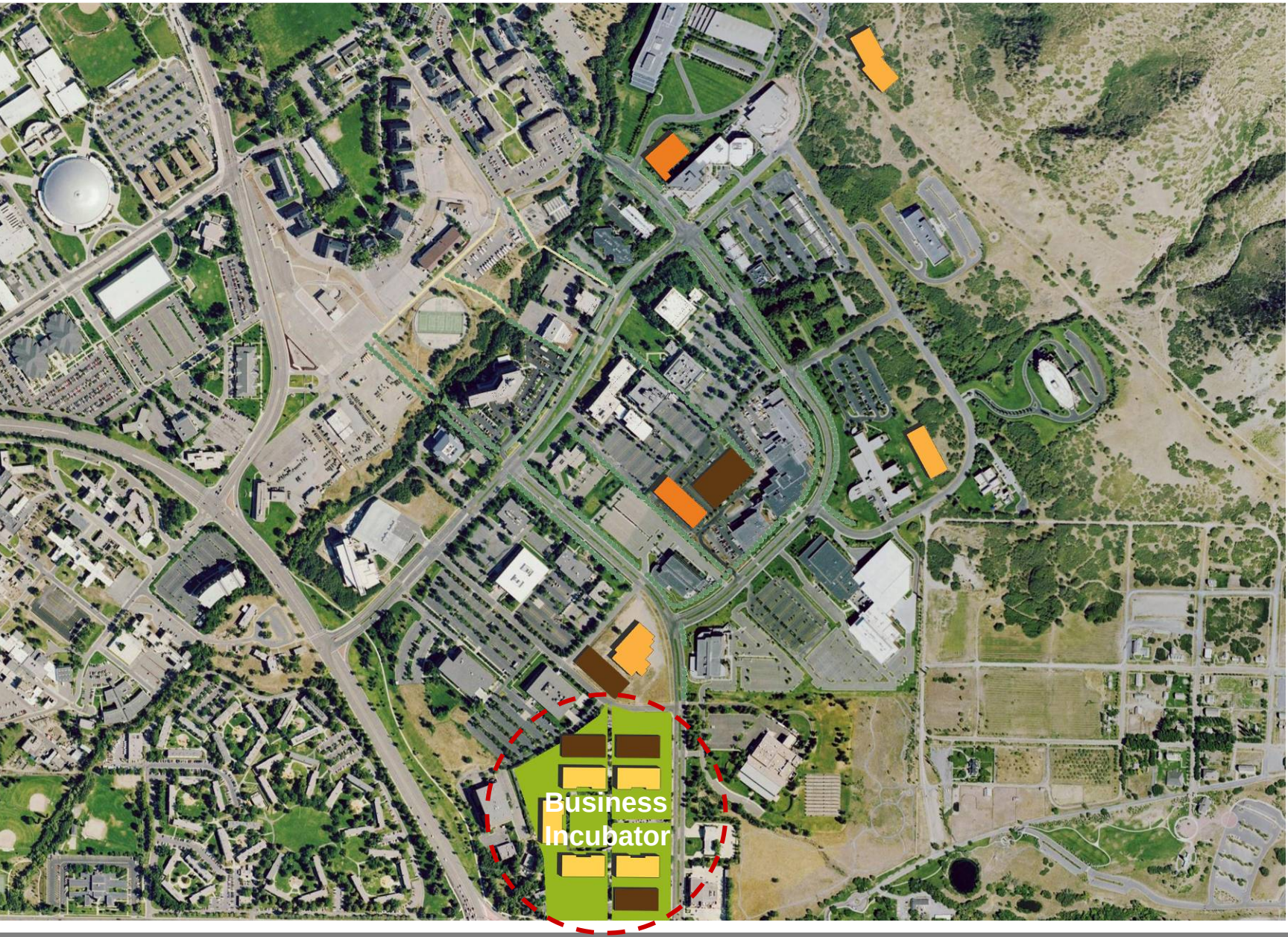


Research Park

Phase 3

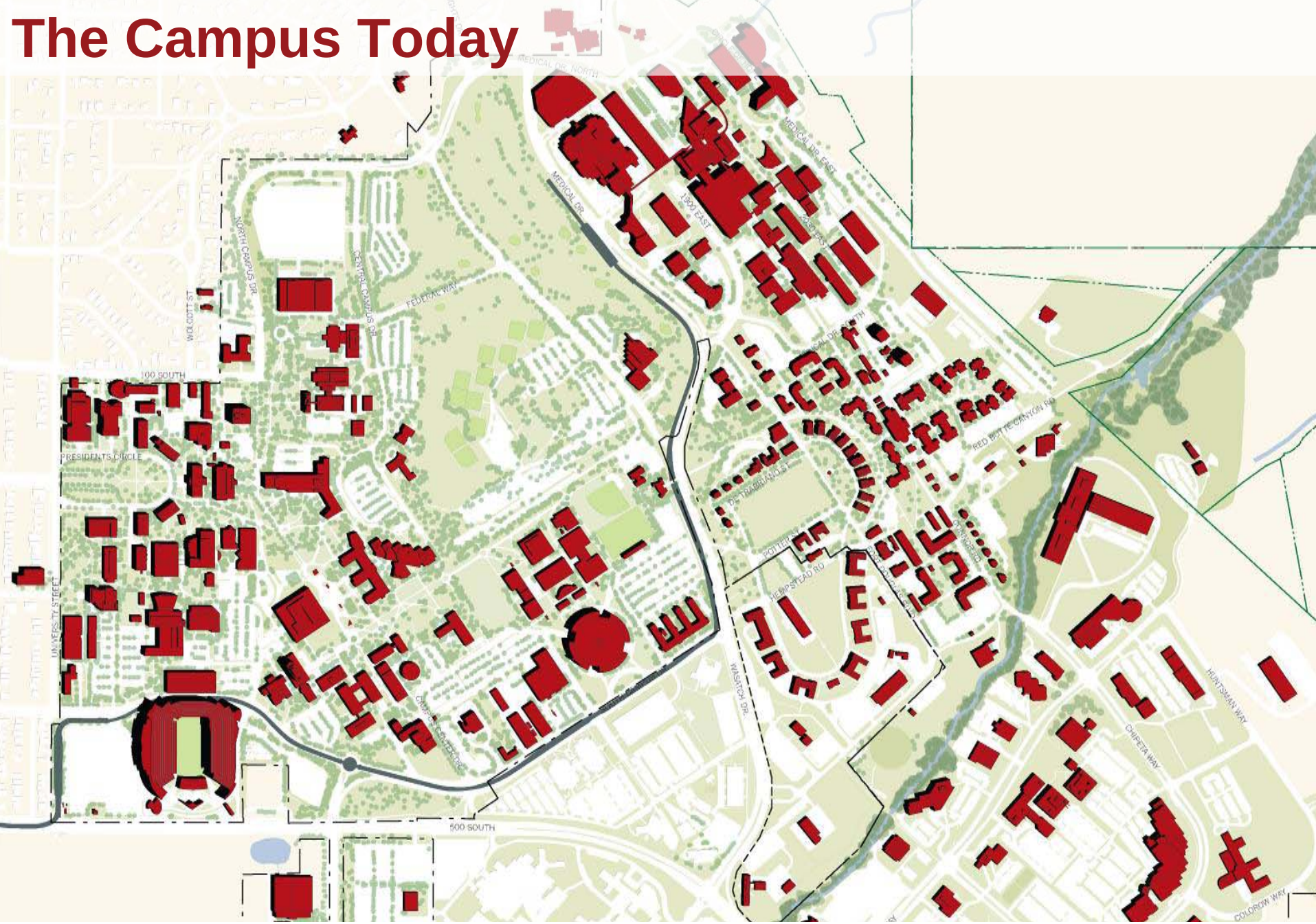


Research Park



The University of Utah

The Campus Today



New Campus Social Heart: A Magnet for Student Life