

Master Plan and Zone Change Public Meeting



Oregon State University
Cascades

Graduate & Research Center
November 15, 2017

Agenda



Oregon State University
Cascades

- Introductions + Purpose
- University + Community Context
- OSU-Cascades Master Plan
- Transportation + Parking
- Closing Comments
- Questions + Answers

An aerial photograph of a university campus and its surrounding environment. The campus is nestled in a valley, with several large, modern buildings featuring flat roofs and some with orange accents. The campus is surrounded by dense evergreen forests. In the background, there are large, cleared areas that appear to be sports fields or parking lots, and a winding road or path cuts through the landscape. The overall scene depicts a well-developed university campus integrated with its natural surroundings.

University + Community Context

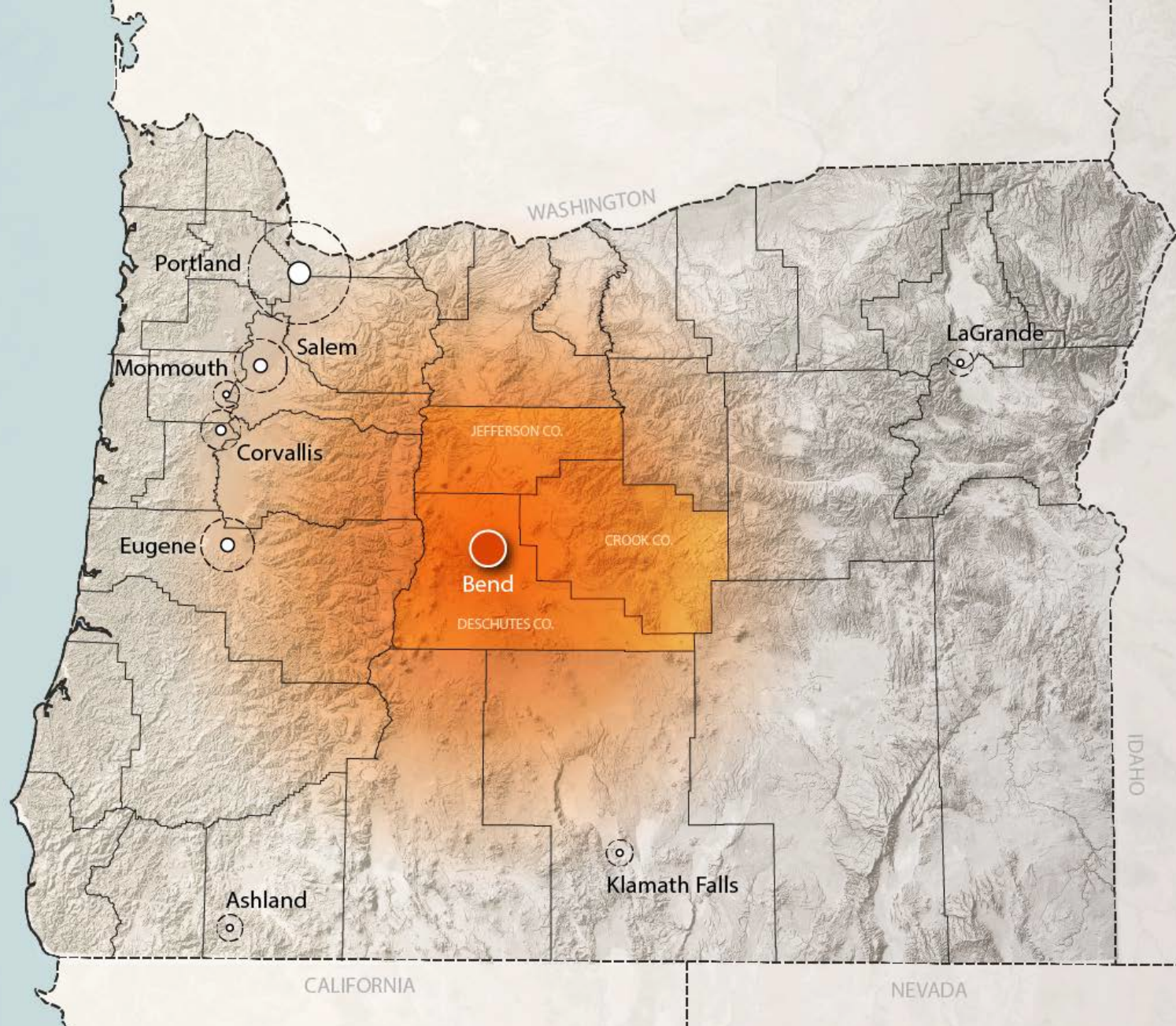
Higher Education in Central Oregon



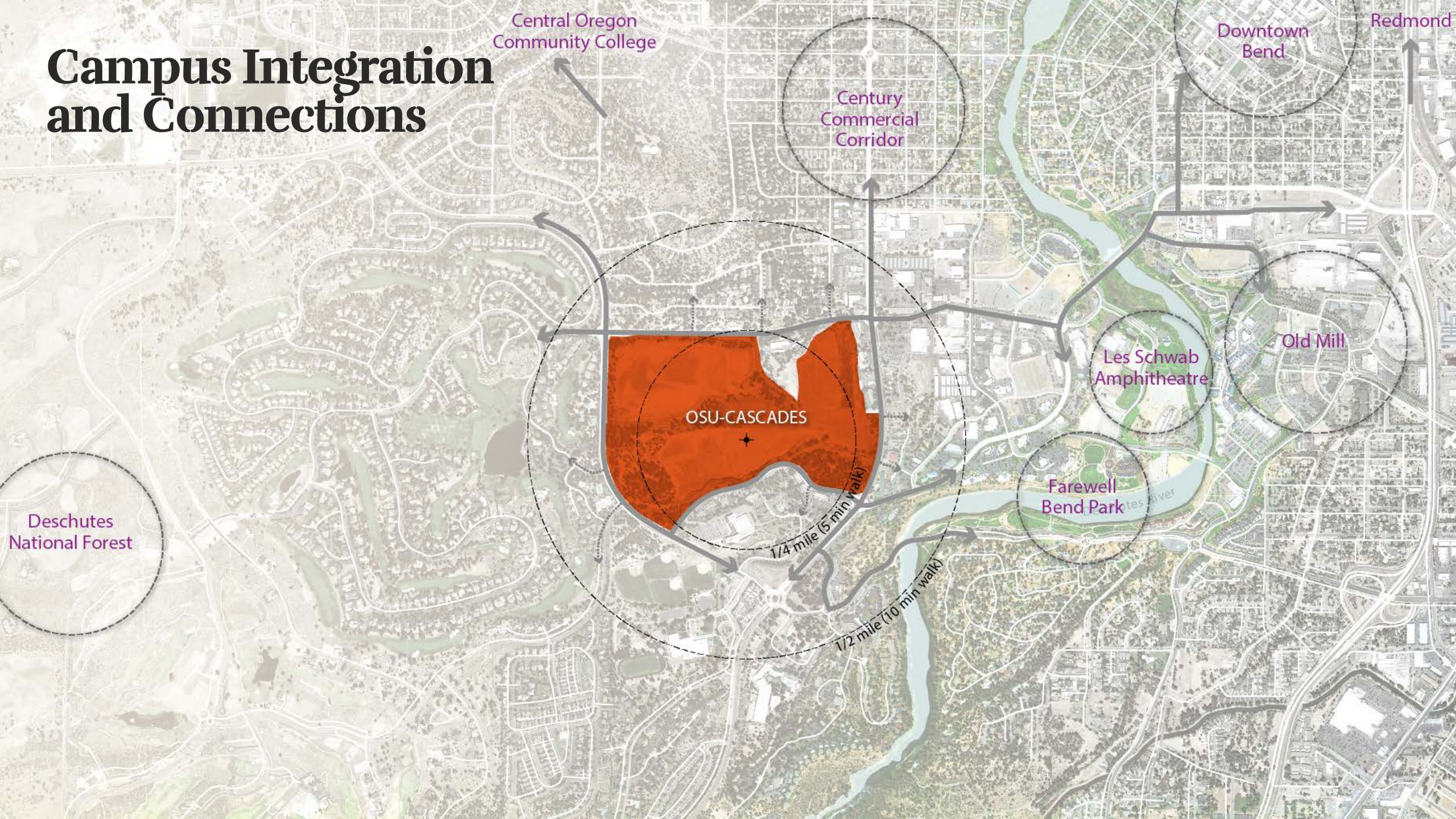
Oregon State University
Cascades



CENTRAL OREGON
community college

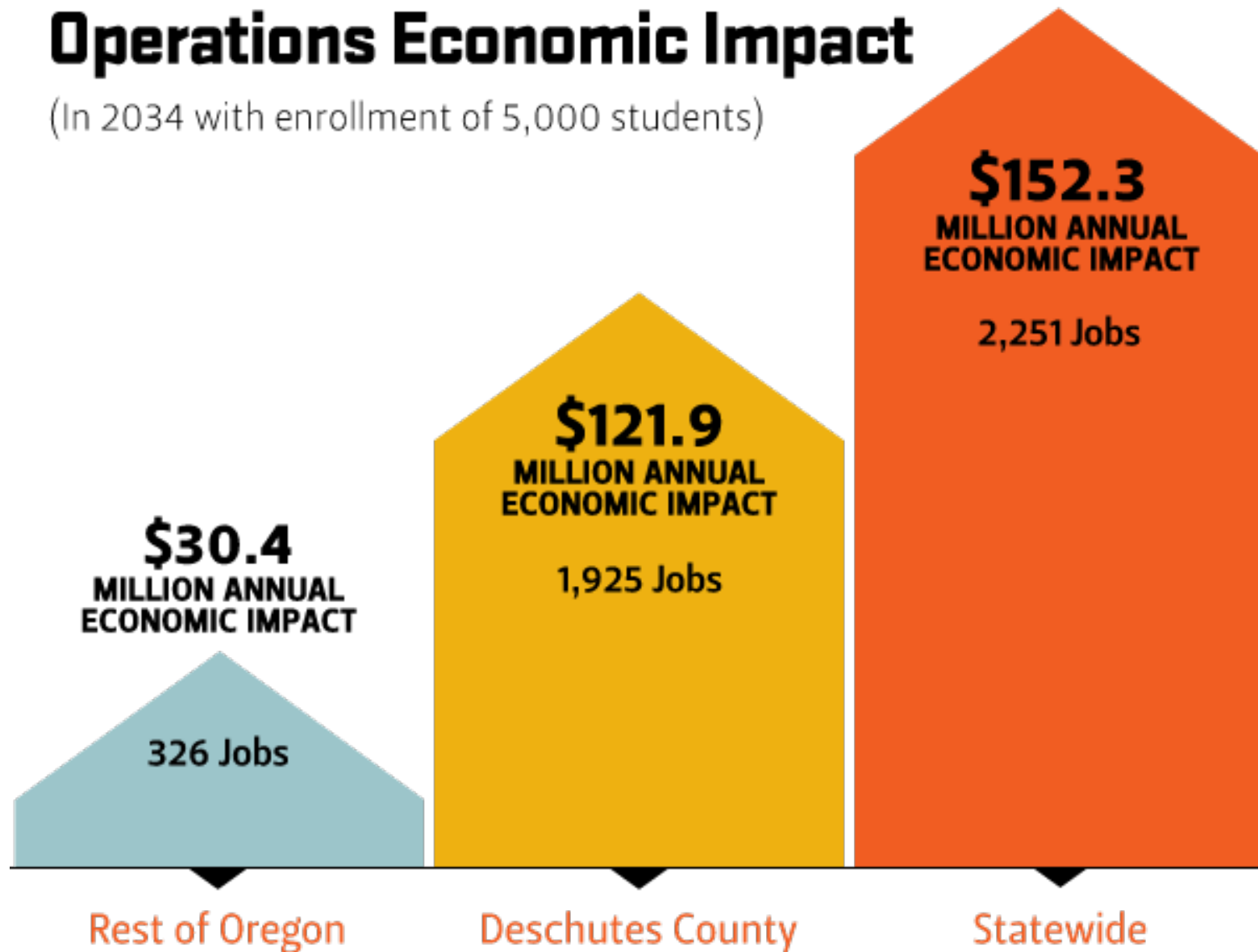


Campus Integration and Connections



OSU-Cascades Continuing Campus Operations Economic Impact

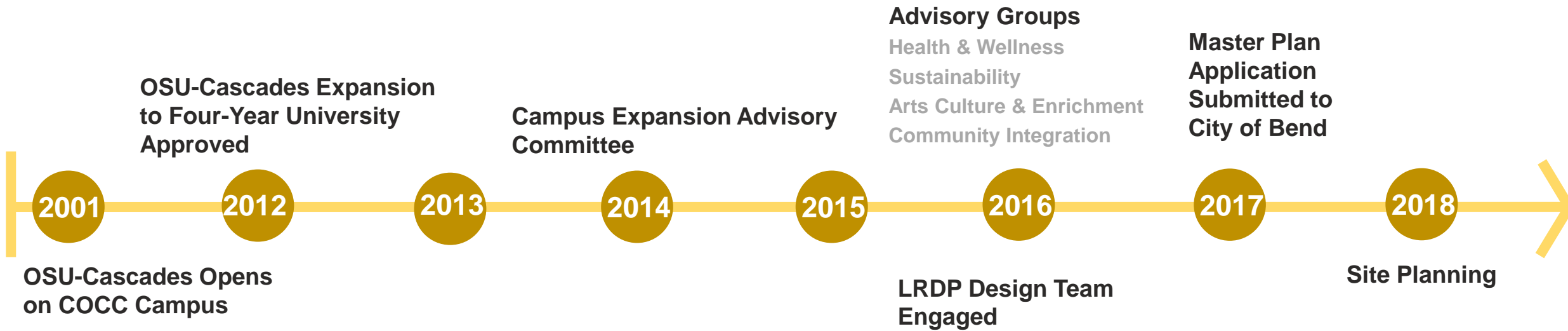
(In 2034 with enrollment of 5,000 students)



What is a Master Plan?

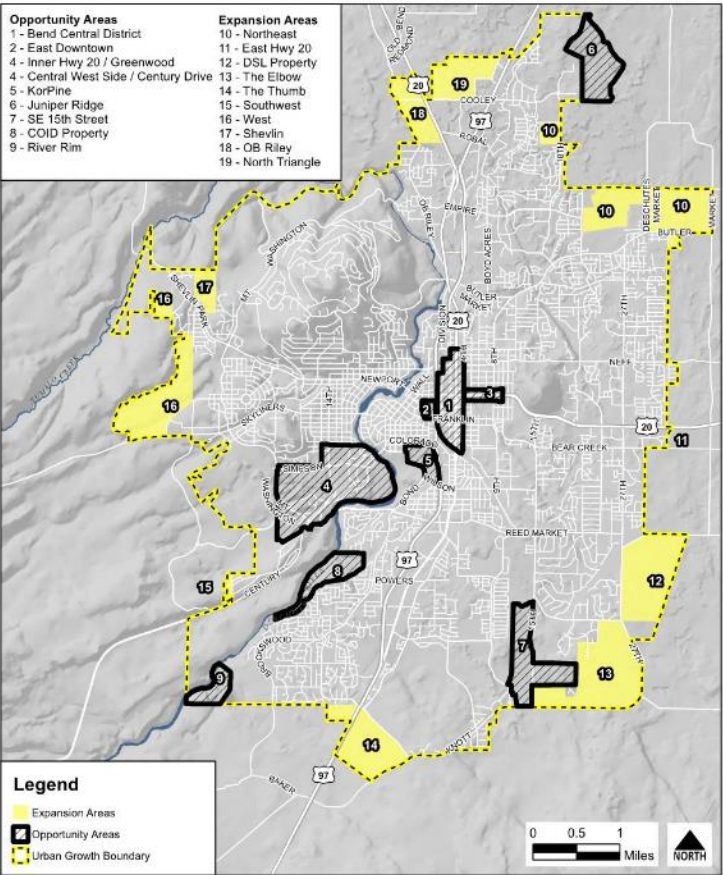
The purpose of the Master Plan is to “**promote and facilitate coordinated development**” between the City of Bend and OSU-Cascades. *“Master plans provide a process to consider future development on larger sites and to analyze future demand on public facilities. Master plans provide an **opportunity for innovative and creative development** while providing **long-term predictability** for the applicants, surrounding neighborhoods, and the entire community.”*

Campus Timeline

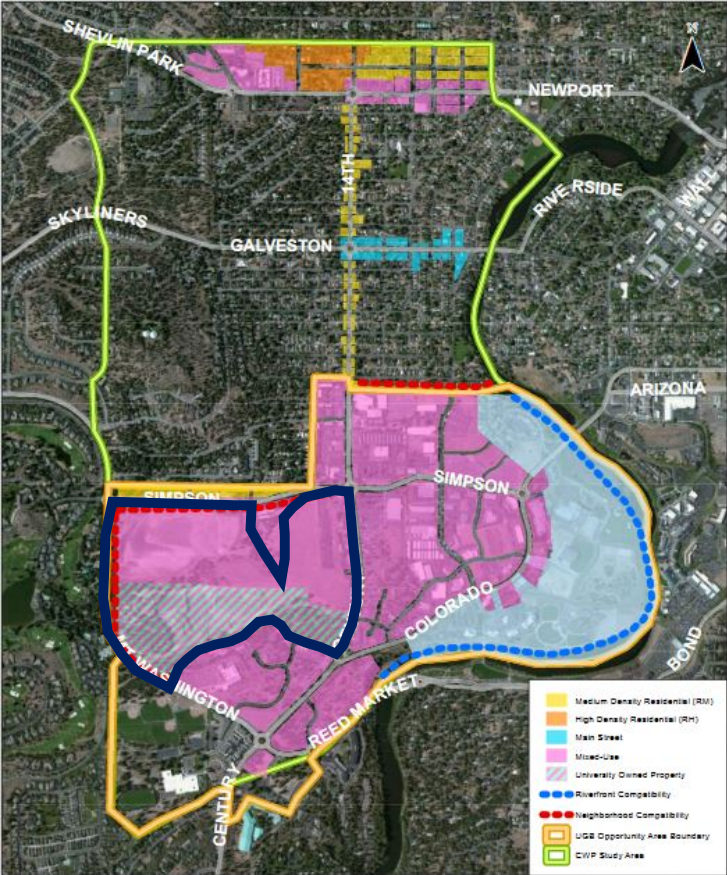


Regional Planning and Zoning Development

Bend UGB
2016

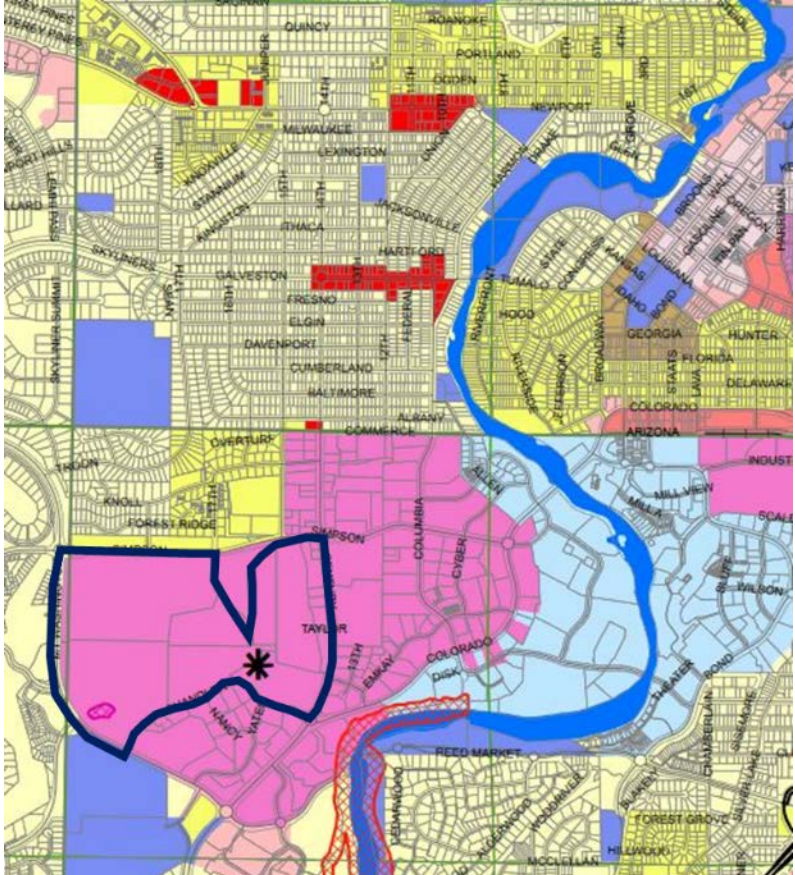


Urban Growth Boundary



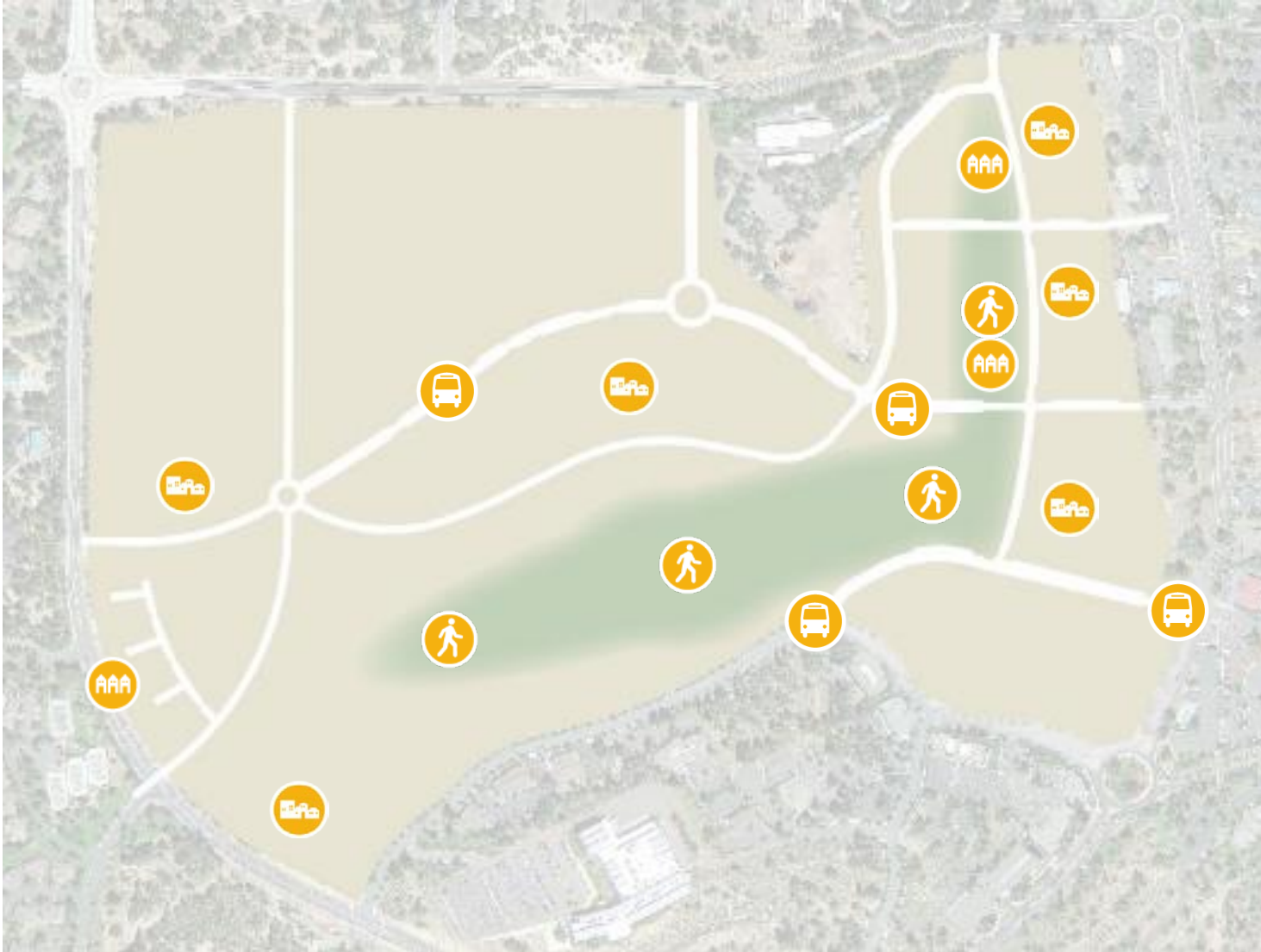
Central Westside Plan

- Mixed-Use
- University-Owned Property
- Neighborhood Compatibility

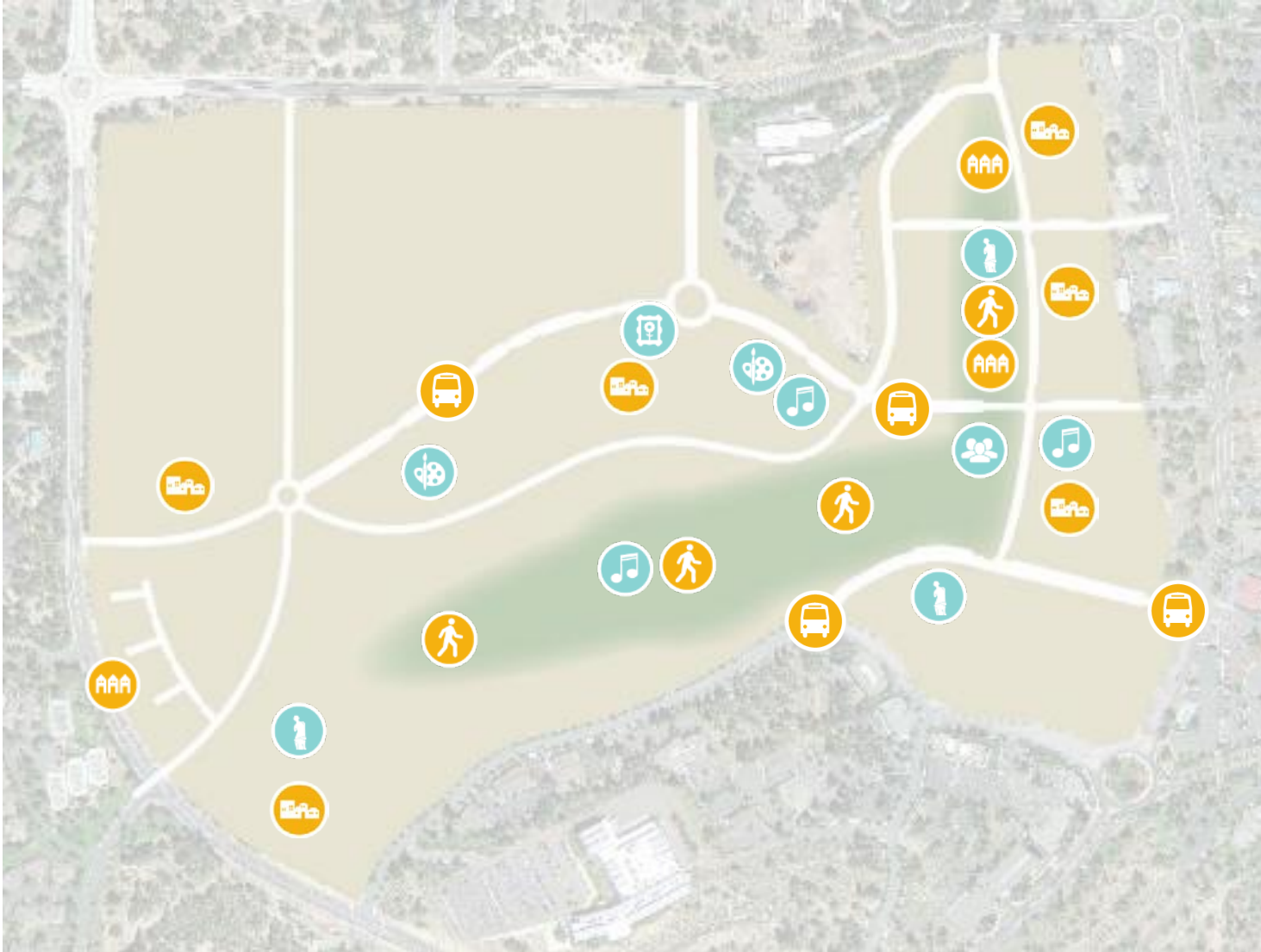


Bend Comprehensive Plan

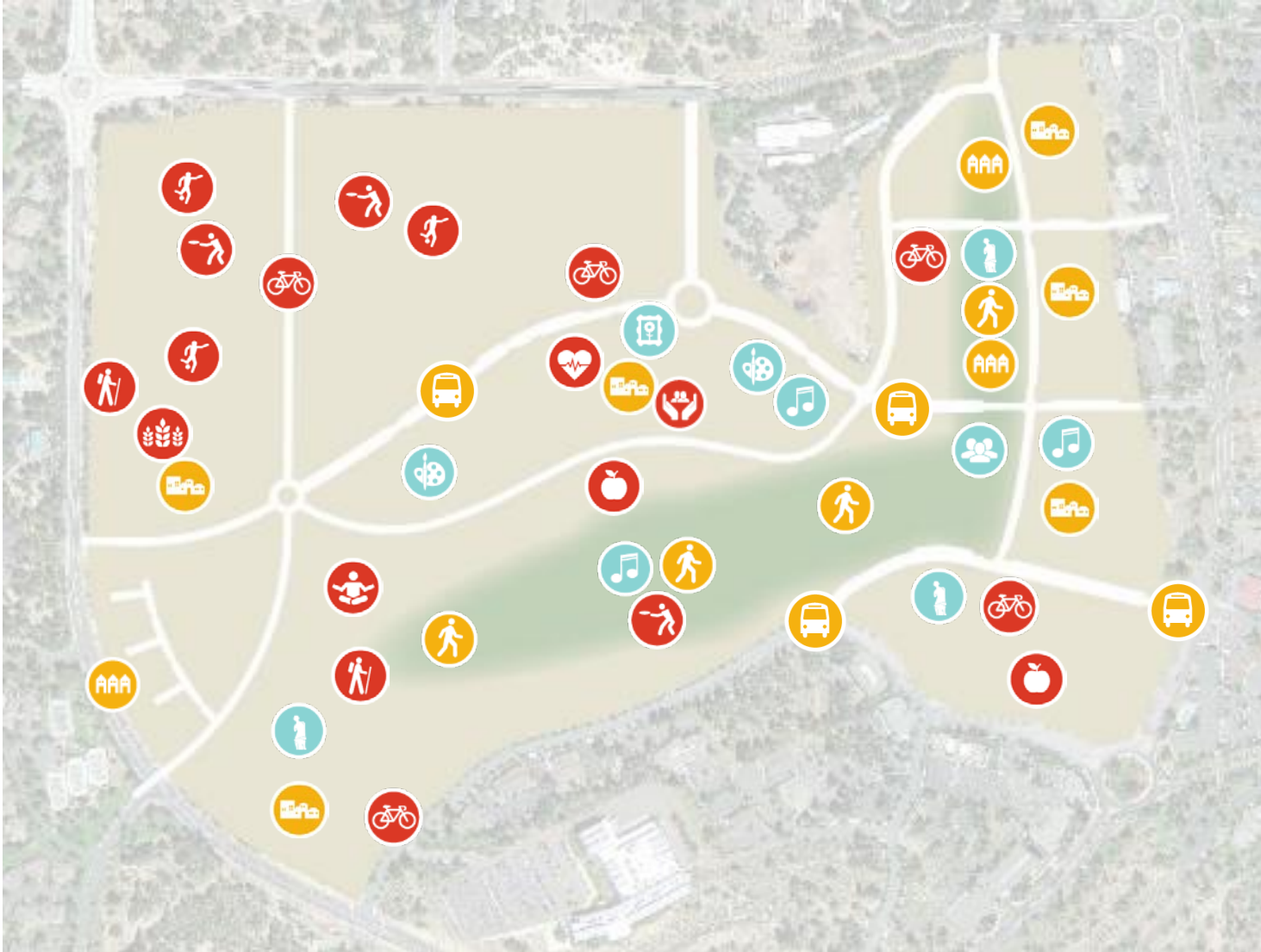
Long Range Development Plan Themes



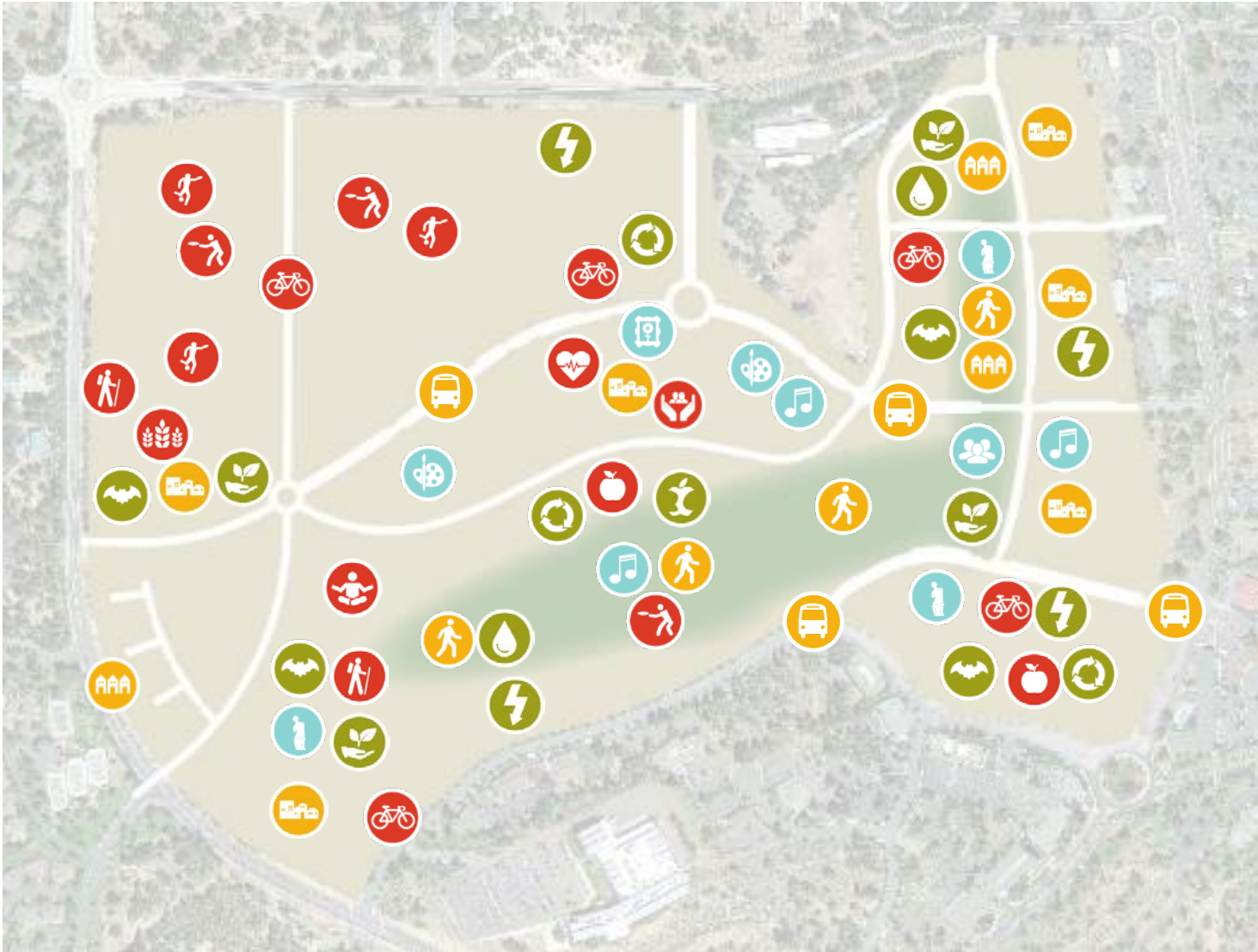
Long Range Development Plan Themes



Long Range Development Plan Themes



Long Range Development Plan Themes



COMMUNITY INTEGRATION

ARTS, CULTURE AND ENRICHMENT

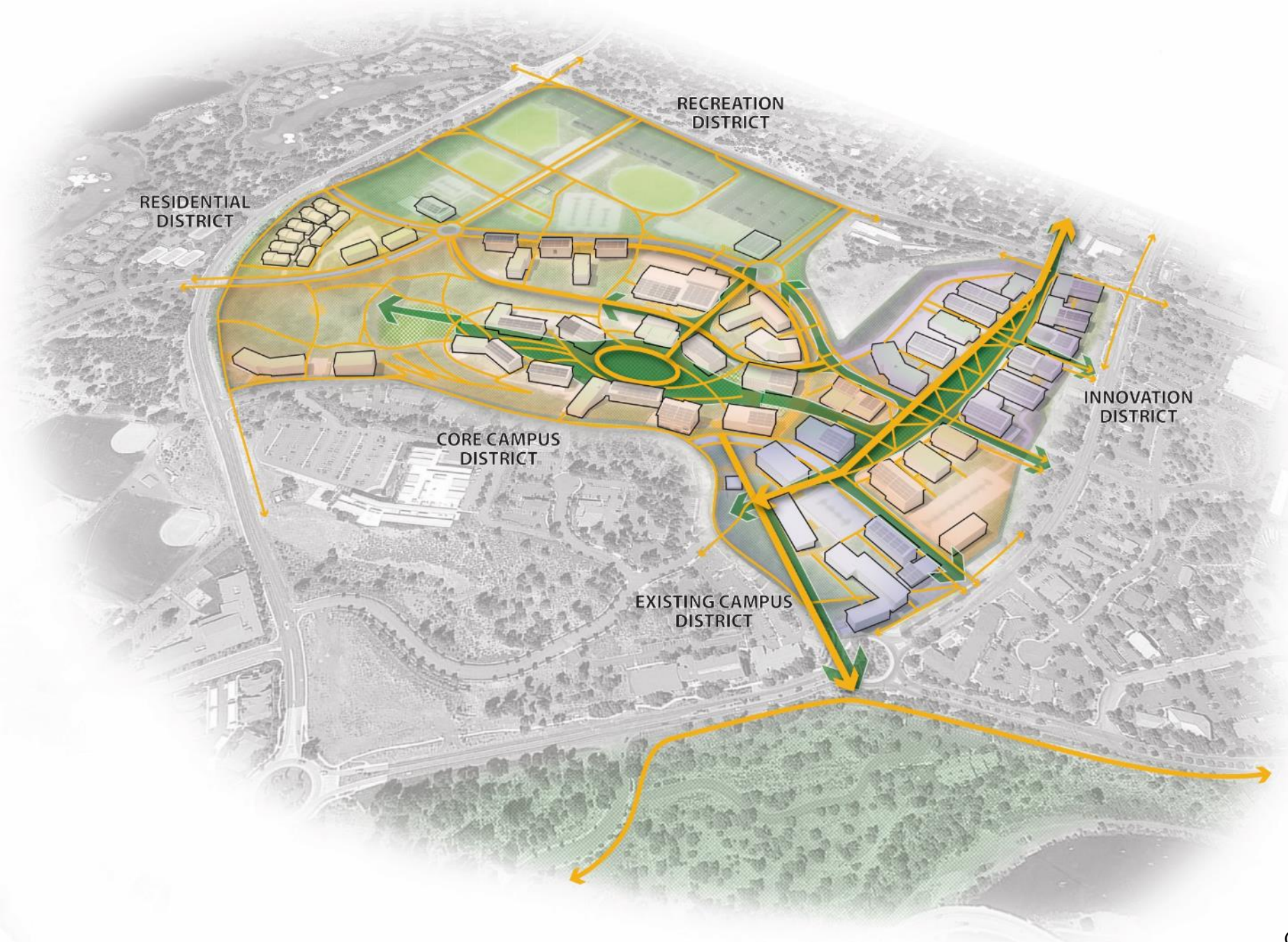
HEALTH AND WELLNESS

SUSTAINABILITY

An aerial photograph of the OSU Cascades campus, showing a mix of green forested areas, cleared brownish-yellow fields, and several buildings. A prominent multi-story building with orange and white sections is visible in the lower right. The title 'OSU Cascades Master Plan' is overlaid in a large, black, serif font across the center of the image.

OSU Cascades Master Plan

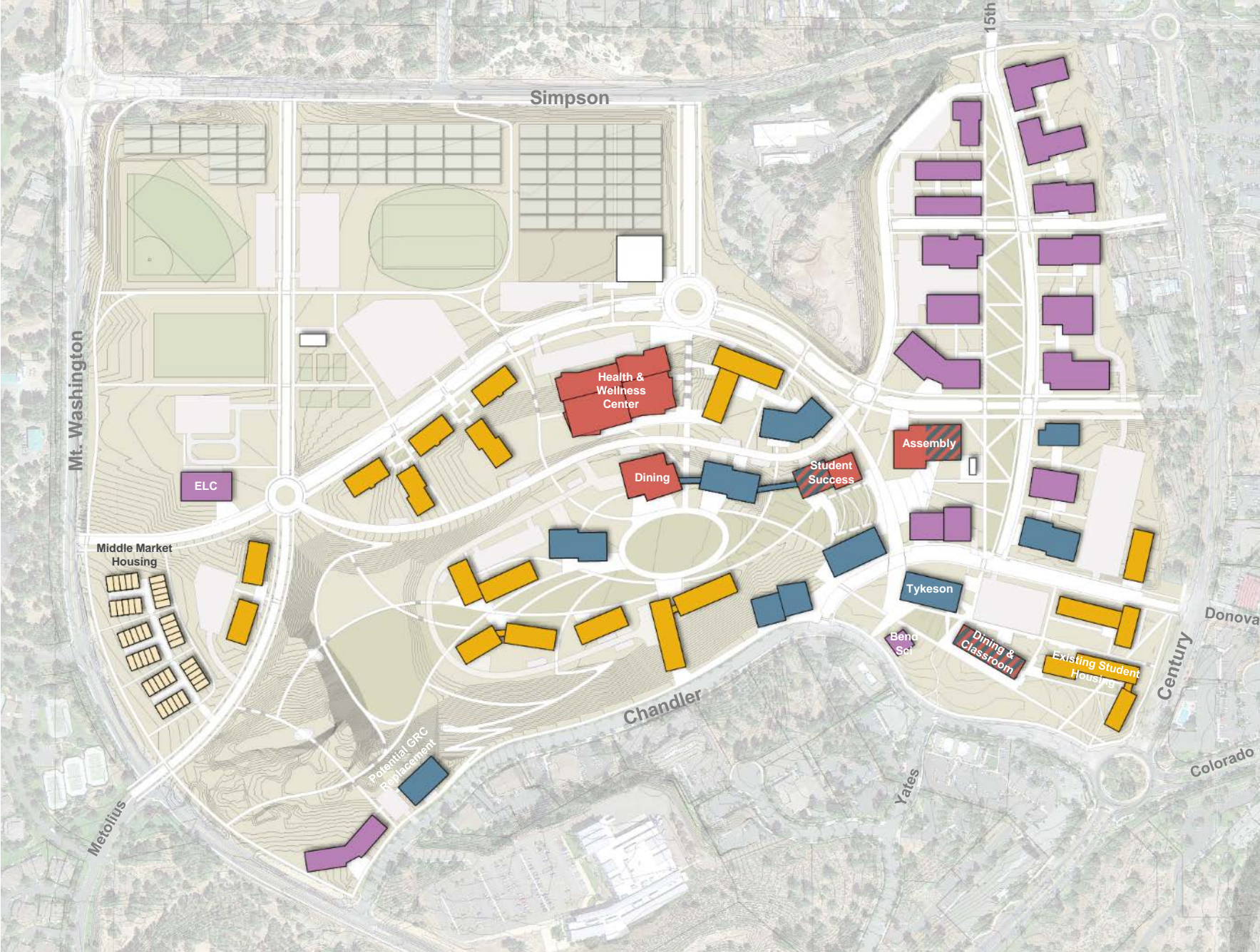
Campus Development Concept



- The campus is expanded from the existing site and organized into four main districts:
 - Core Campus
 - Innovation District
 - Residential District
 - Recreation District
- The campus districts are connected by an open space spine along which people will travel and interact
- The campus will be permeable and connected to the community with trails and streets

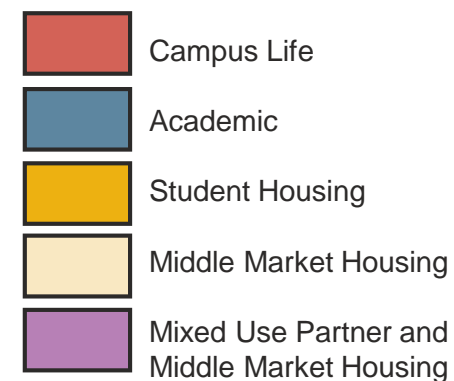
Illustrative Campus Plan

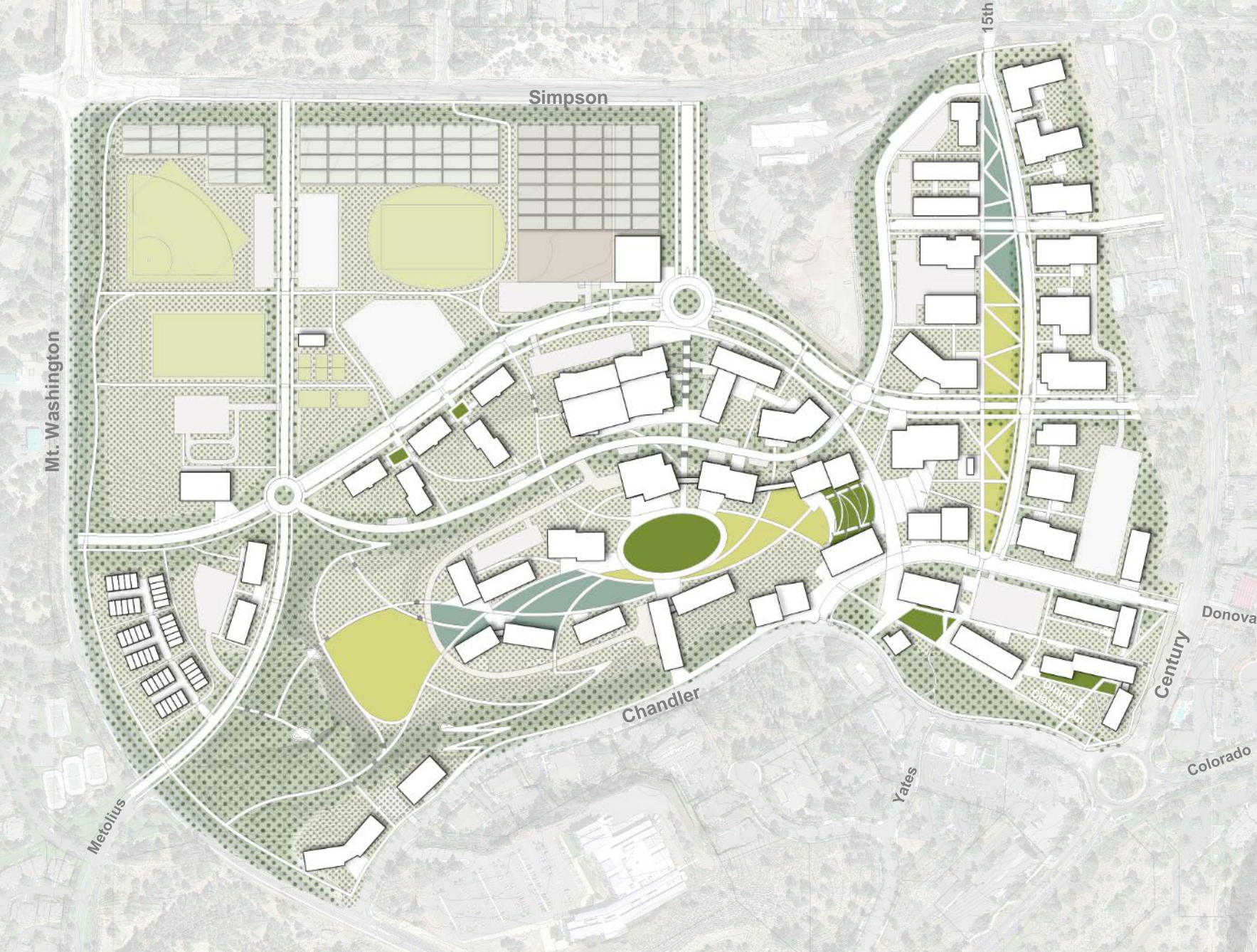
- The central campus buildings are organized around a bowl-shaped civic open space.
- The eastern district runs along a north-south green
- Connecting spaces and paths between the buildings
- Large primarily wooded area to west end of campus
- Green open space buffers along the Mt. Washington and Simpson edges



Primary Building Use


- Most buildings will have a mix of uses
- Campus center blends the Innovation District, academic core, and campus life functions
- Residential villages

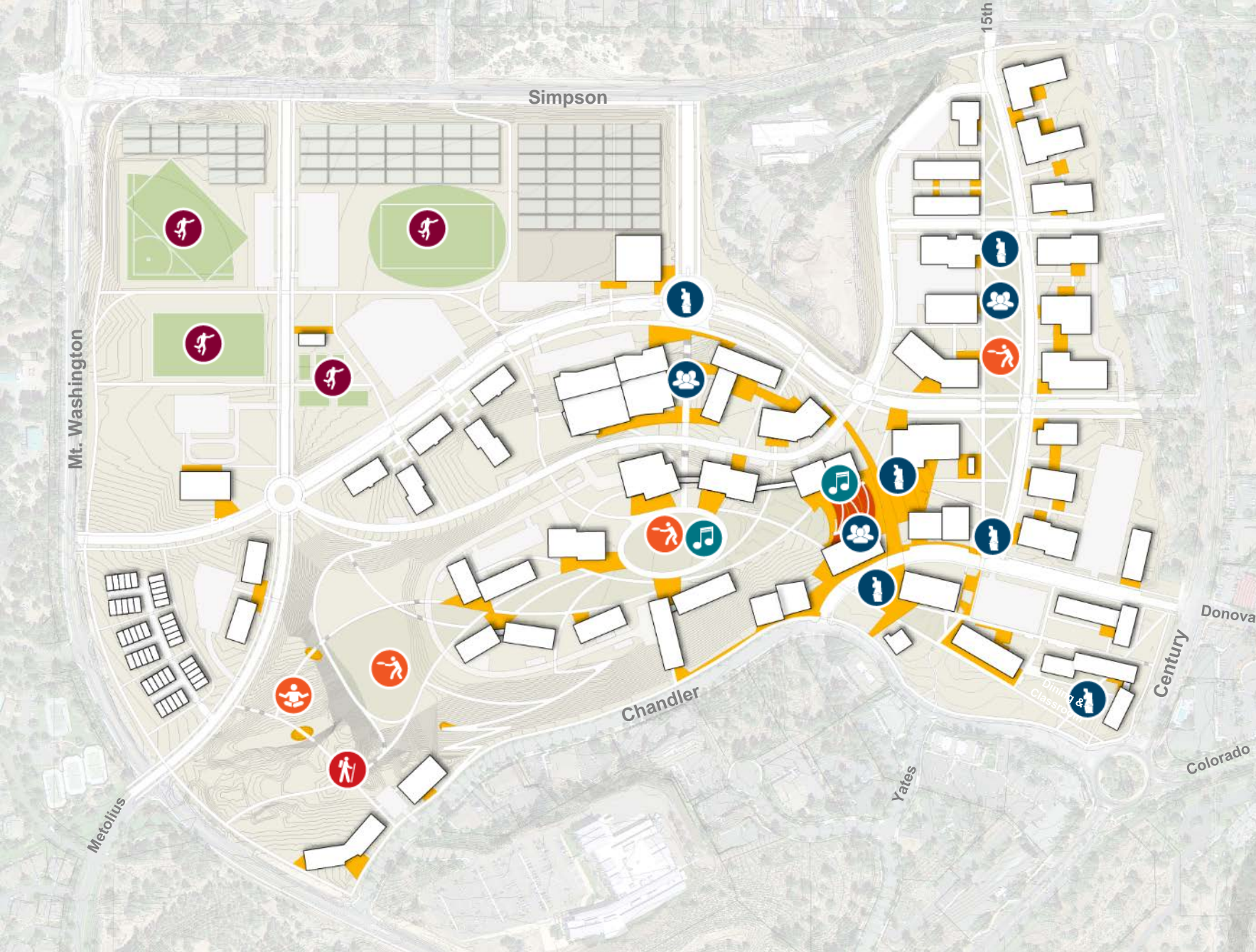




Campus Landscape

- Range of campus landscape types appropriate to Central Oregon
- Build on the precedent of the existing campus with use of on-site/local plant materials
- Habitat opportunities integrated throughout the campus
- Use the landscape as living water infrastructure

-  Campus Green
-  Meadow
-  Water Treatment Landscape
-  Native Woodland/Forest

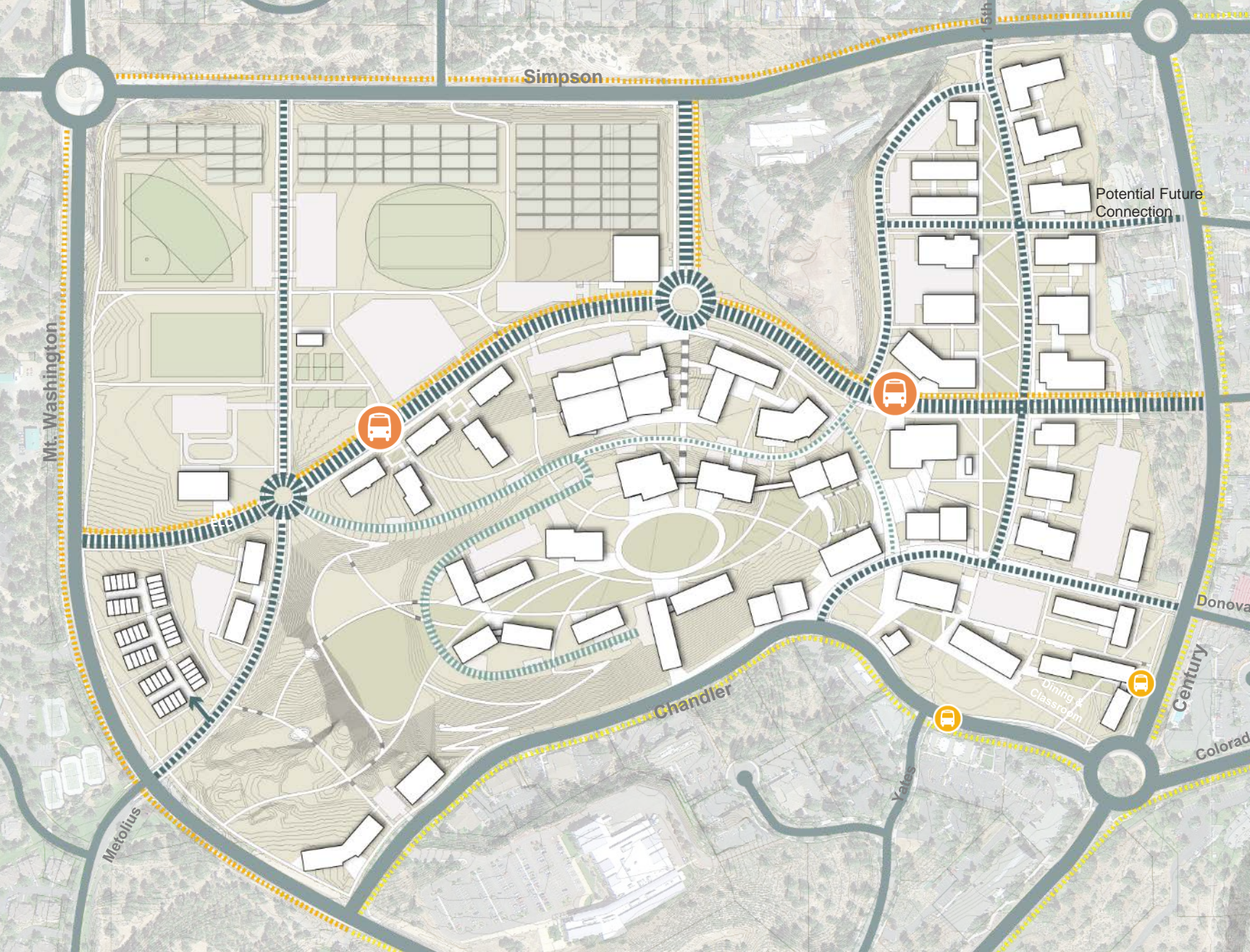


Open Space + Community Integration








- A range of spaces: from active plazas to natural contemplative areas
- Opportunities for the public as well as the campus community

- Plaza
- Amphitheater
- Recreation Field
- Informal Recreation
- Active Recreation
- Hiking/Biking Trails
- Reflective Space
- Key Campus Art Opportunity
- Key Outdoor Performance Space
- Key Outdoor Social Space

Connectivity: Streets



- ■ ■ Primary Campus Street
- ■ ■ ■ Secondary Campus Street
- ■ ■ ■ Shared Use Campus Street
- ■ ■ ■ Controlled Access Campus Drive
- Existing Public Street
- ← Parking Access
- Existing Transit Stop
- Proposed Transit Stop
- Existing Transit Route
- Proposed Transit Route

-  Accessible Campus Path
-  Grades >5% (not ADA compliant)
-  Existing Public Path
-  Accessible path through building
-  Plaza
-  Existing Transit Stop
-  Proposed Transit Stop

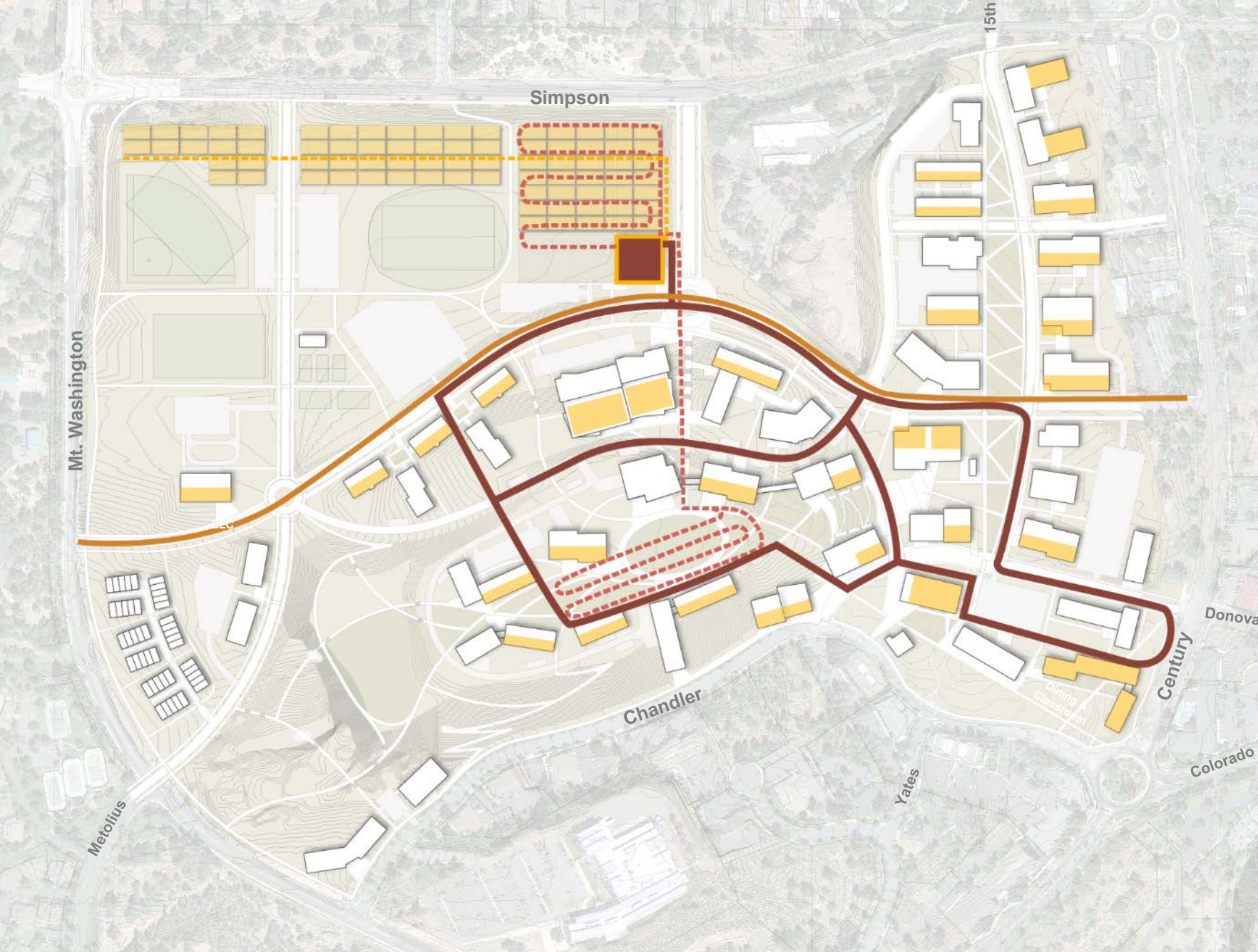
Connectivity: Bicycle Network

- Connections to local streets & bike network
- Robust options for bicycle travel- both on and off street
- Hubs for larger amounts of bicycle parking to accommodate longer term bike storage

-
- ■ ■ On-street Bicycle Route
 - ■ ■ Off-street Bicycle Route
 - ■ ■ Existing On-street Bicycle Route
 - ■ ■ Existing Off-street Bicycle Route
 - Potential Long Term Bicycle Parking

Energy Infrastructure

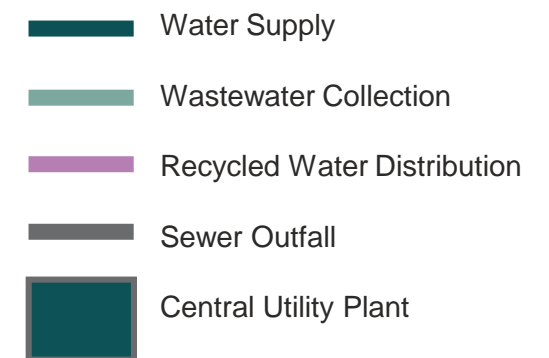
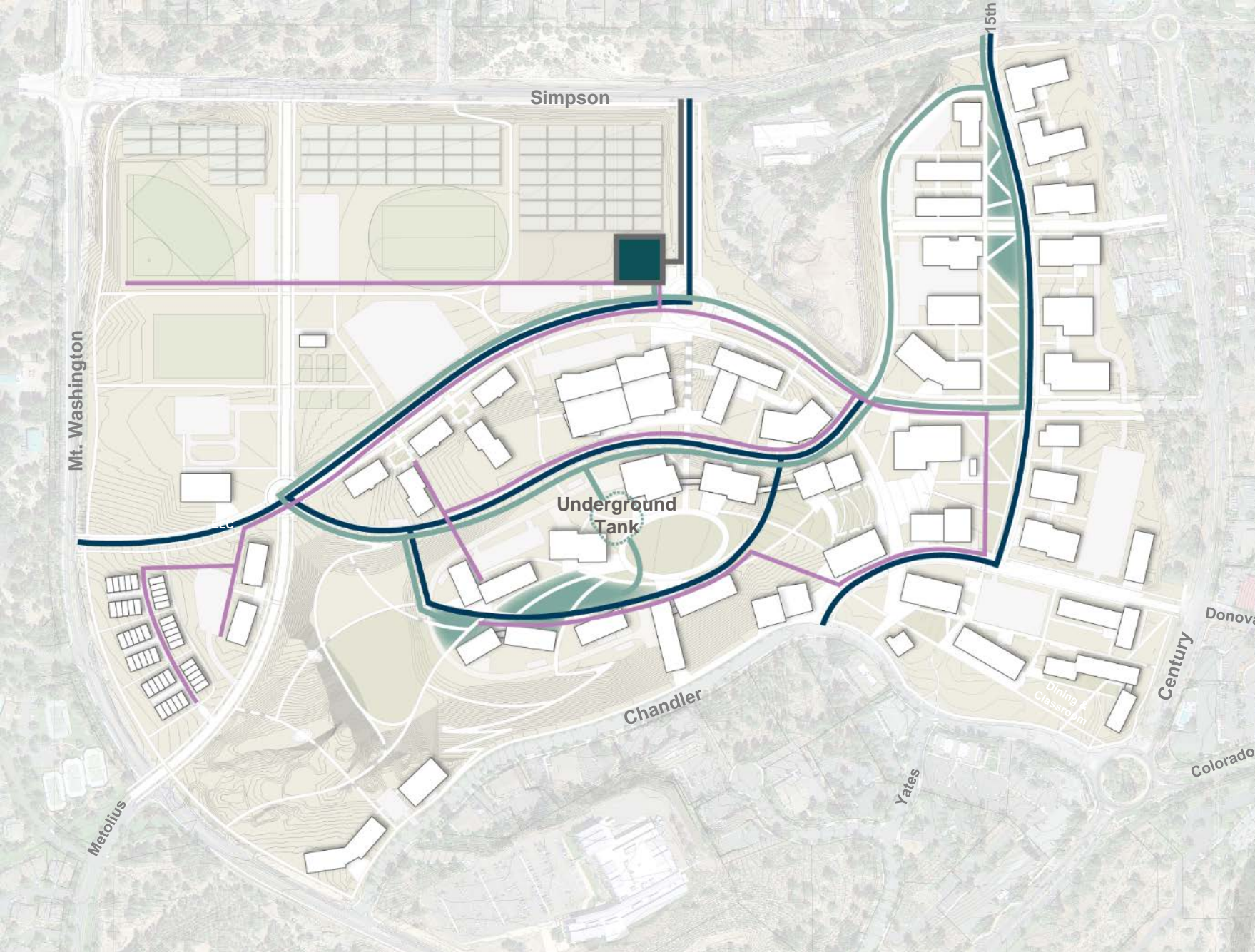
- Geo-exchange is the main source of heating, cooling
- Central plant supplements geo-exchange: low carbon options being evaluated
- Photovoltaic panels on roofs and ground arrays, for electrical uses



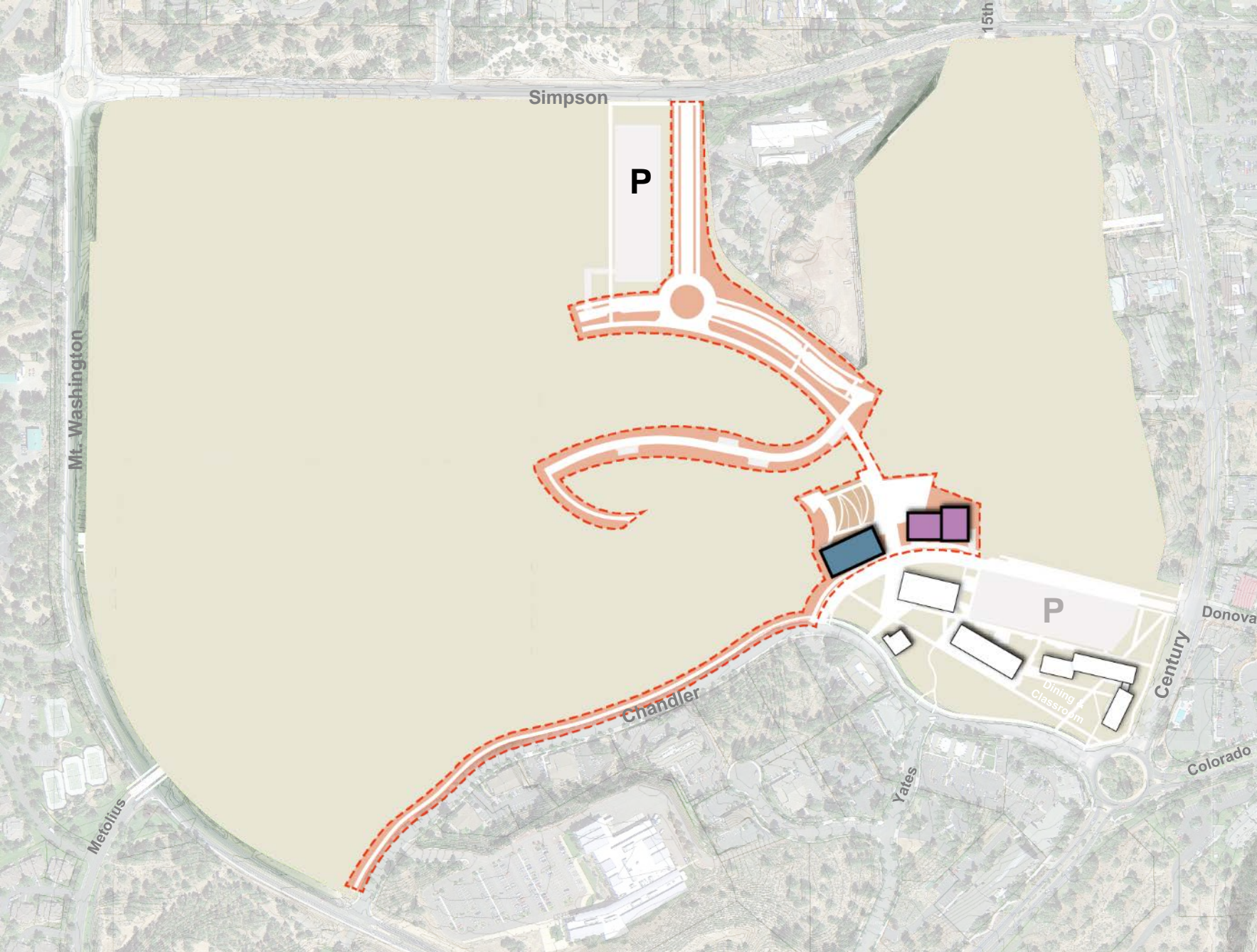
- ■ ■ ■ Geo-Exchange Loop
- ■ ■ ■ Photovoltaic Collection
- Thermal Energy Distribution
- Electrical Distribution Trunk Line
- Photovoltaic Panel
- Central Utility Plant




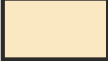

Water Infrastructure

- Water balance
- Collect & treat wastewater to use for appropriate non-potable uses: irrigation, toilet flushing, some mechanical equipment
- City has reviewed the water/sewer proposals – no significant impact anticipated

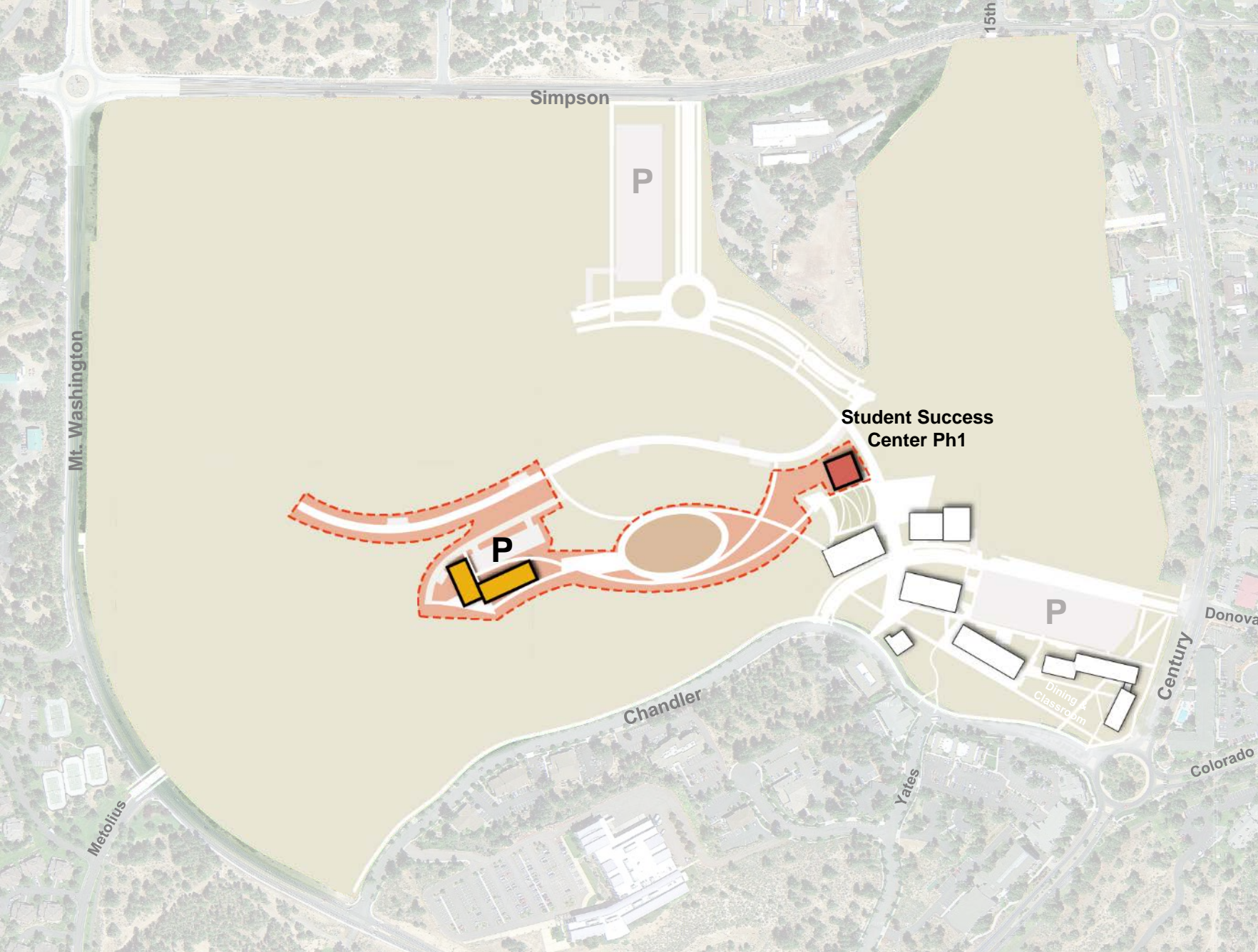





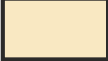

Proposed Phase 1A



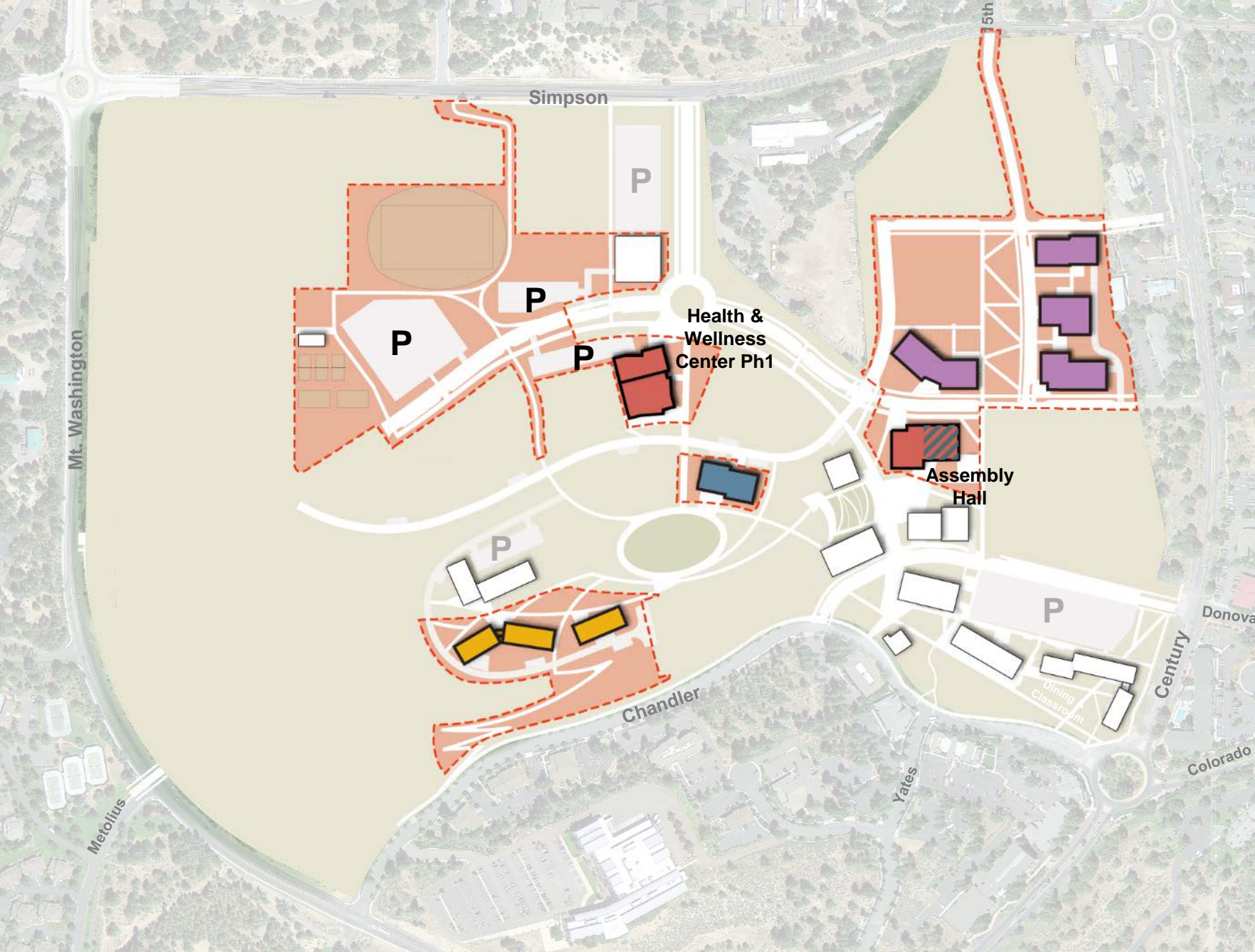
-  Campus Life
-  Academic
-  Student Housing
-  Middle Market Housing
-  Mixed Use Partner and Middle Market Housing






Proposed Phase 1B



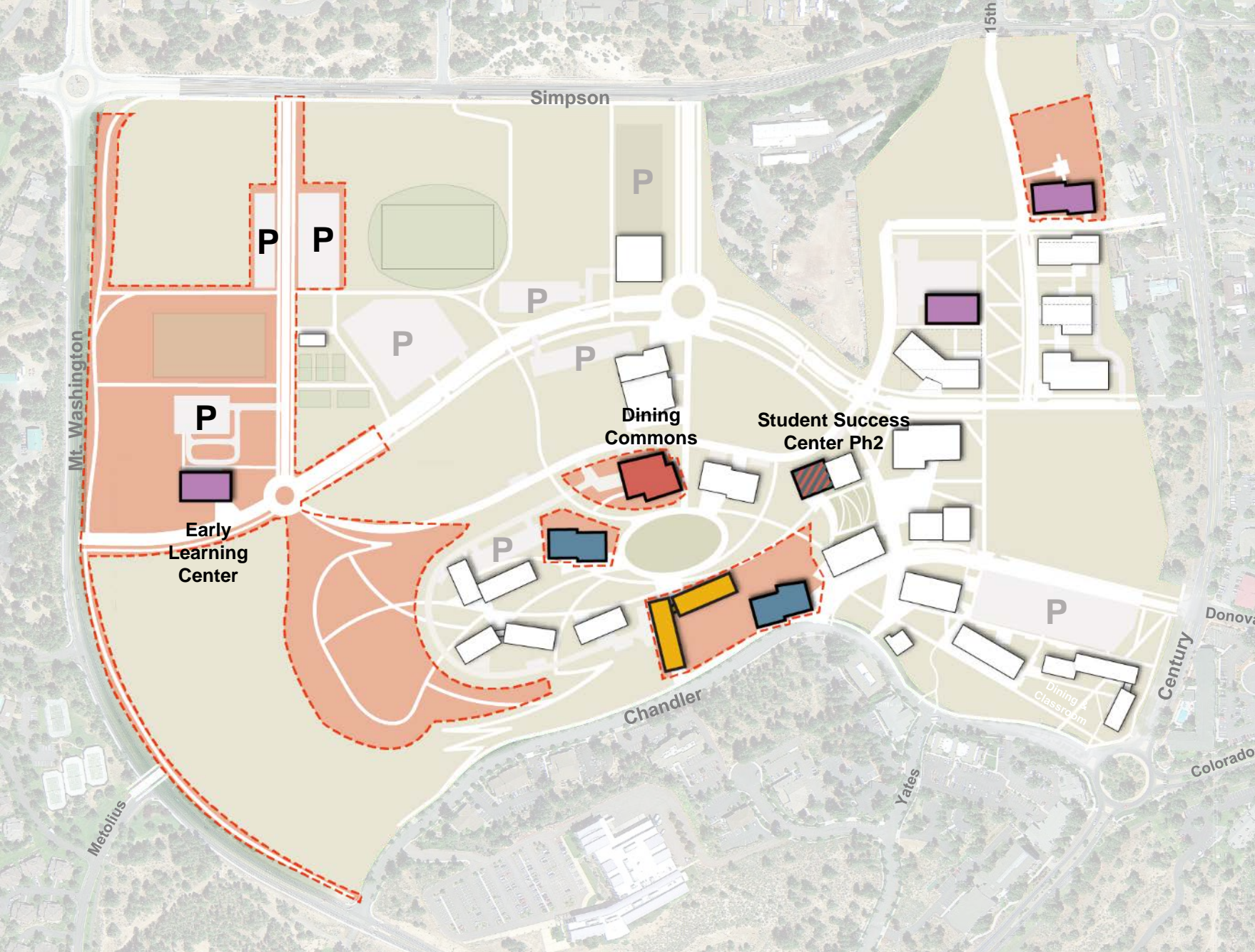
-  Campus Life
-  Academic
-  Student Housing
-  Middle Market Housing
-  Mixed Use Partner and Middle Market Housing






Proposed Phase 2



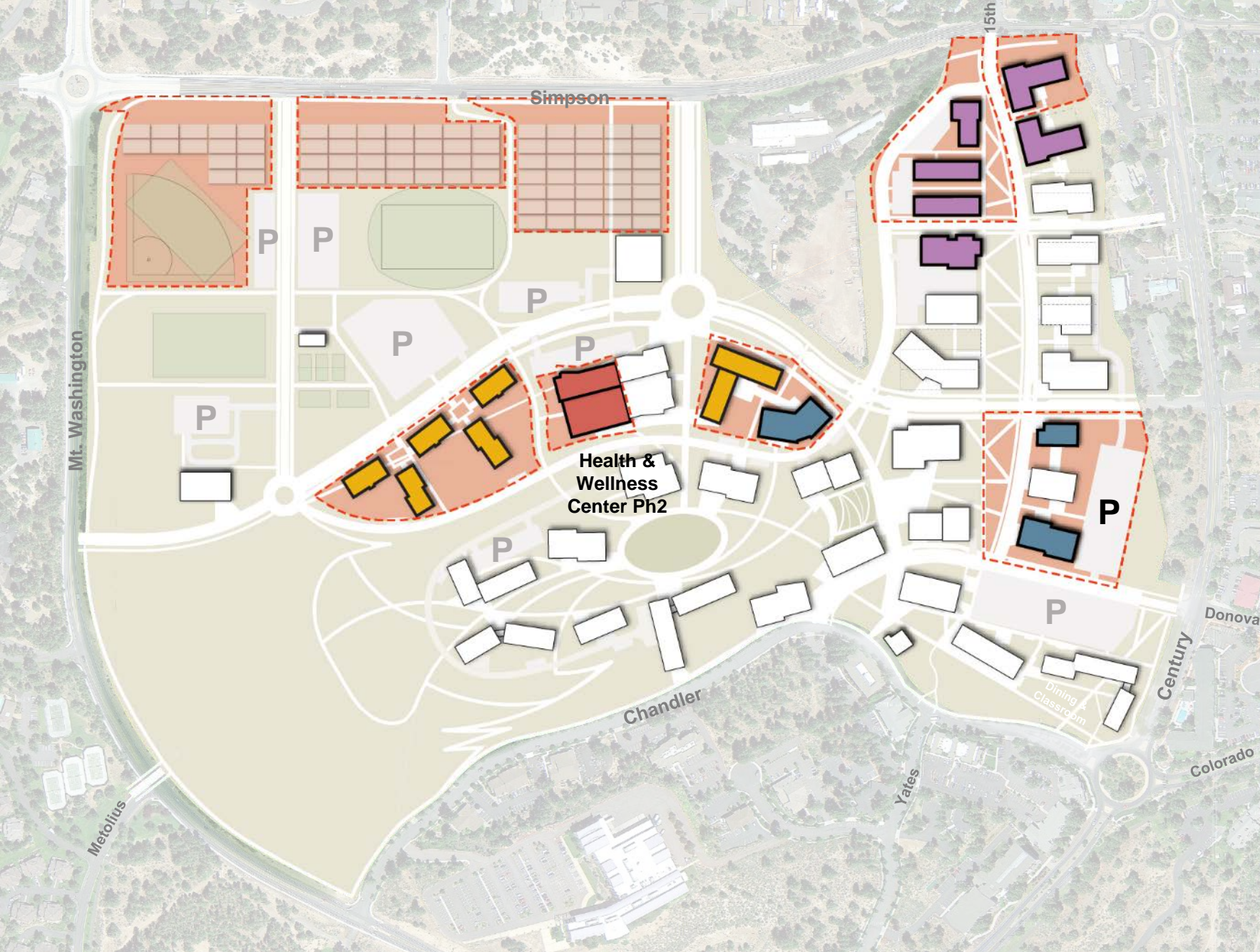
-  Campus Life
-  Academic
-  Student Housing
-  Middle Market Housing
-  Mixed Use Partner and Middle Market Housing

Proposed Phase 3



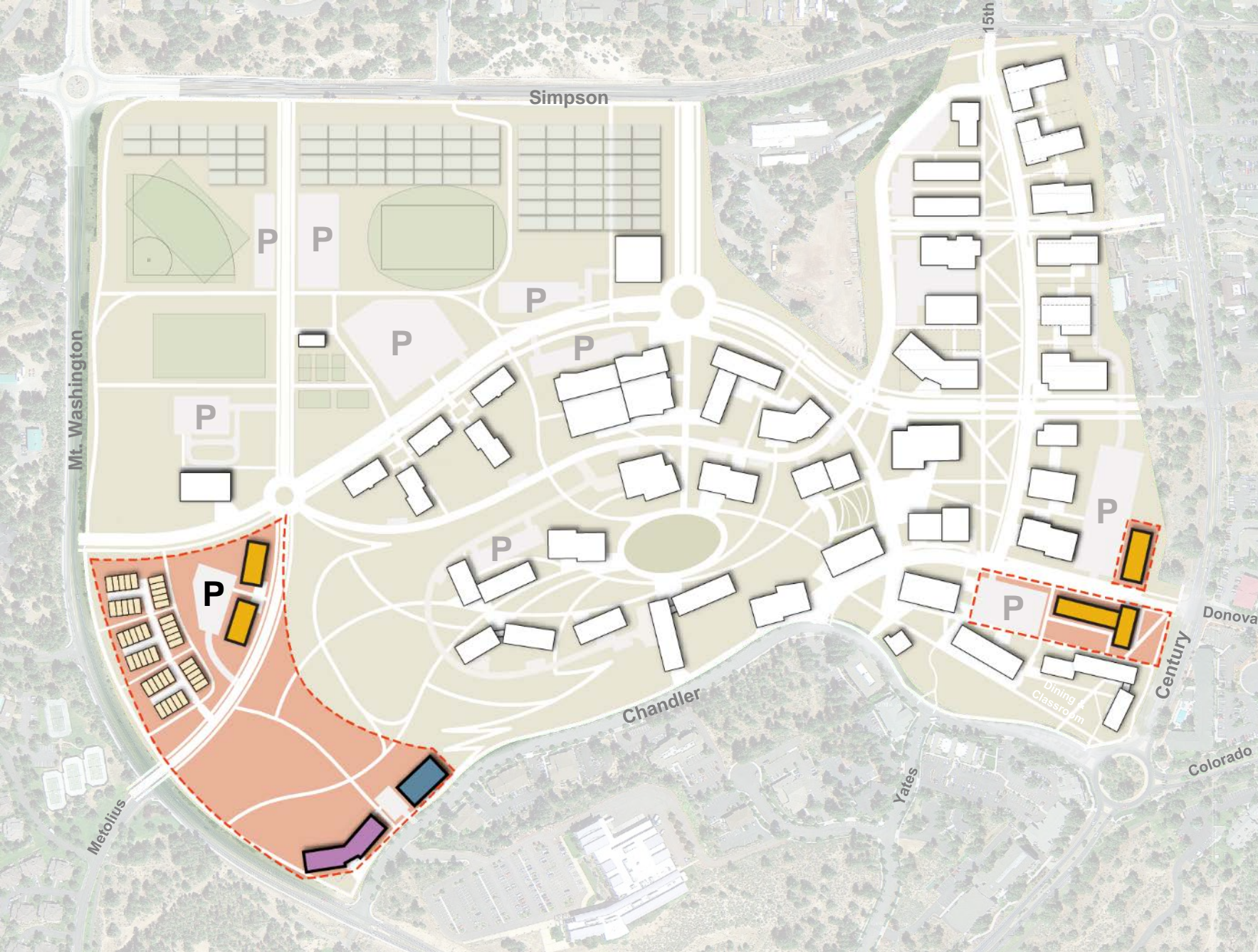
-  Campus Life
-  Academic
-  Student Housing
-  Middle Market Housing
-  Mixed Use Partner and Middle Market Housing

Proposed Phase 4



- Campus Life
- Academic
- Student Housing
- Middle Market Housing
- Mixed Use Partner and Middle Market Housing

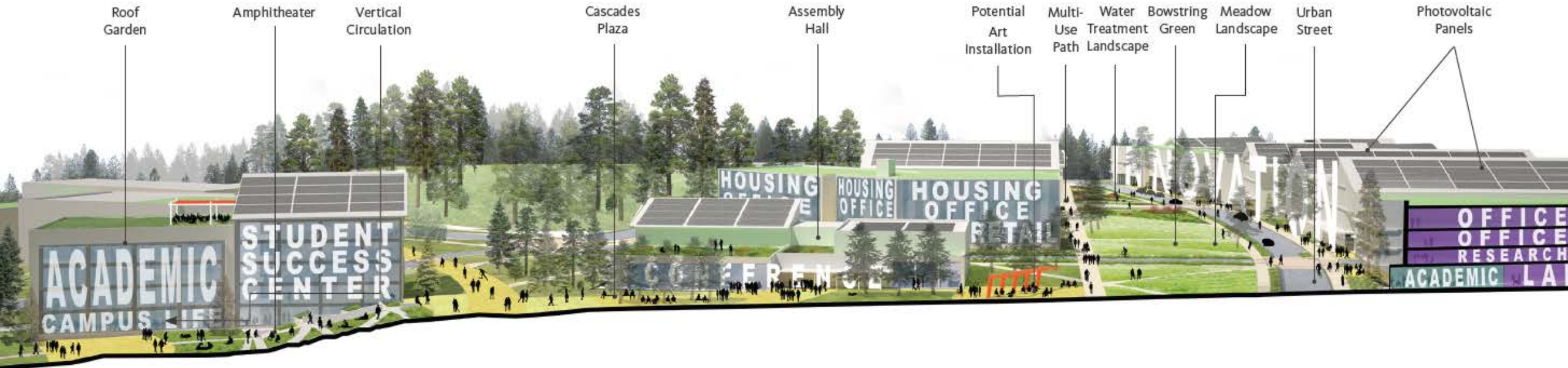
Proposed Phase 5



- Campus Life
- Academic
- Student Housing
- Middle Market Housing
- Mixed Use Partner and Middle Market Housing

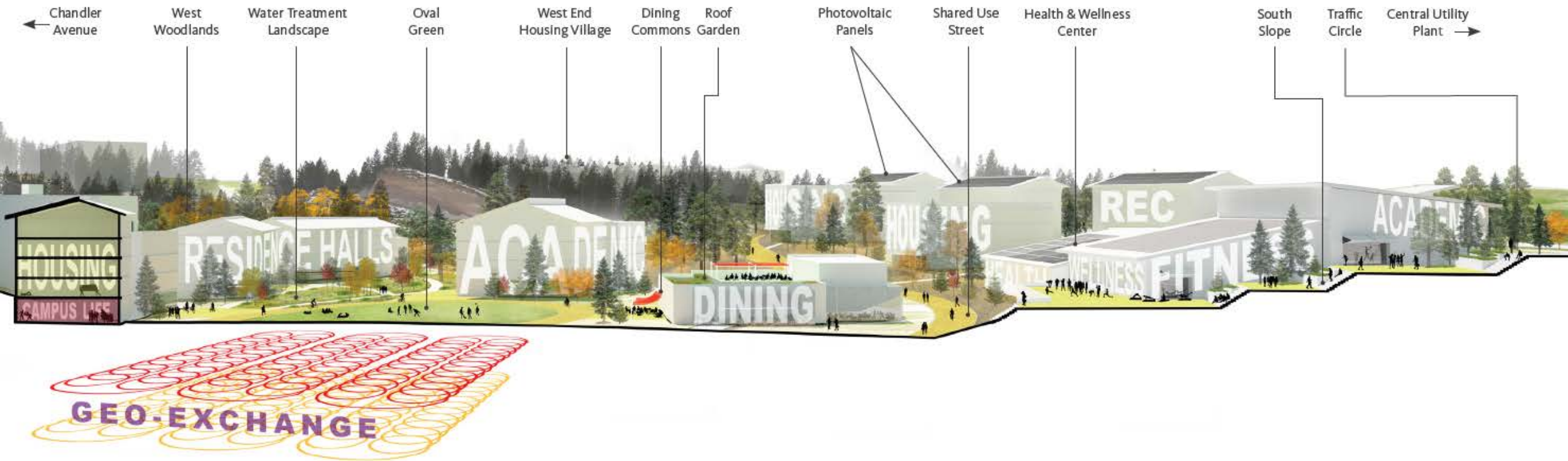
Site Section East-West

- Buildings frame key open spaces
- Buildings help to step down slopes and provide accessible routes



Site Section North-South

- Buildings frame key open spaces
- Buildings help to step down slopes and provide accessible routes



Design Guidelines

Landscape



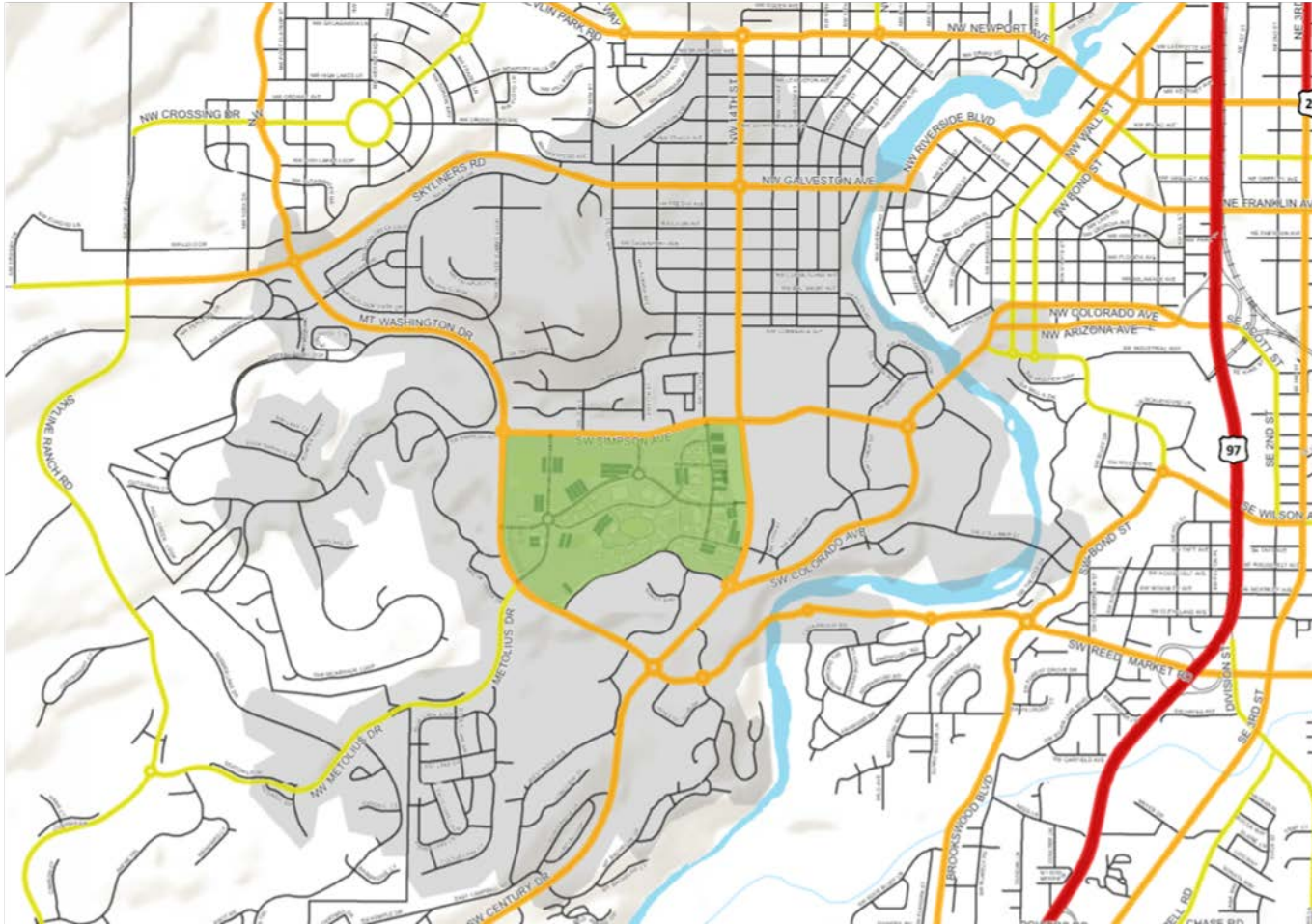
Architecture



An aerial photograph of a university campus, likely Oregon State University, showing a large stadium, various academic buildings, and extensive green spaces. The text "Transportation + Parking" is overlaid in a large, black, serif font.

Transportation + Parking

Transportation Planning

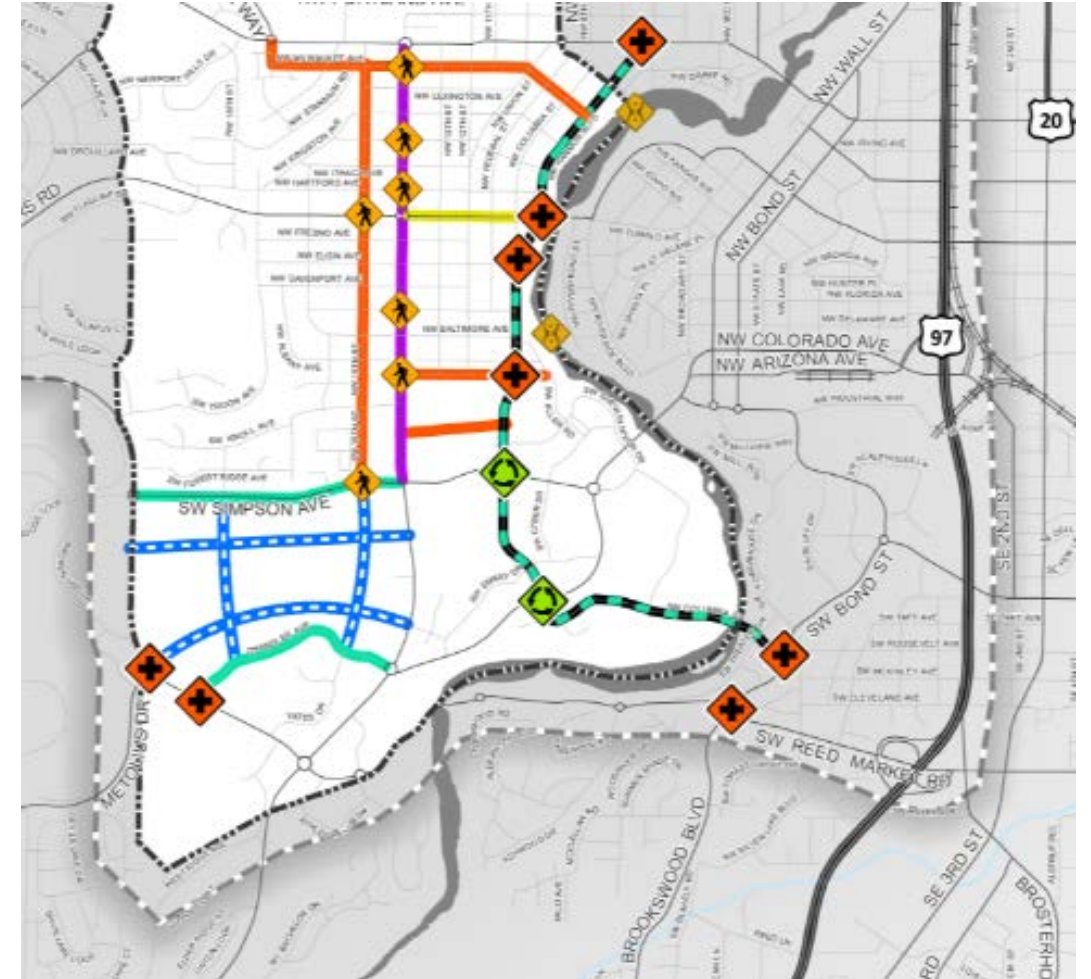


1-mile travel distance from site

All applicants are required to submit a transportation analysis to the City to ensure:

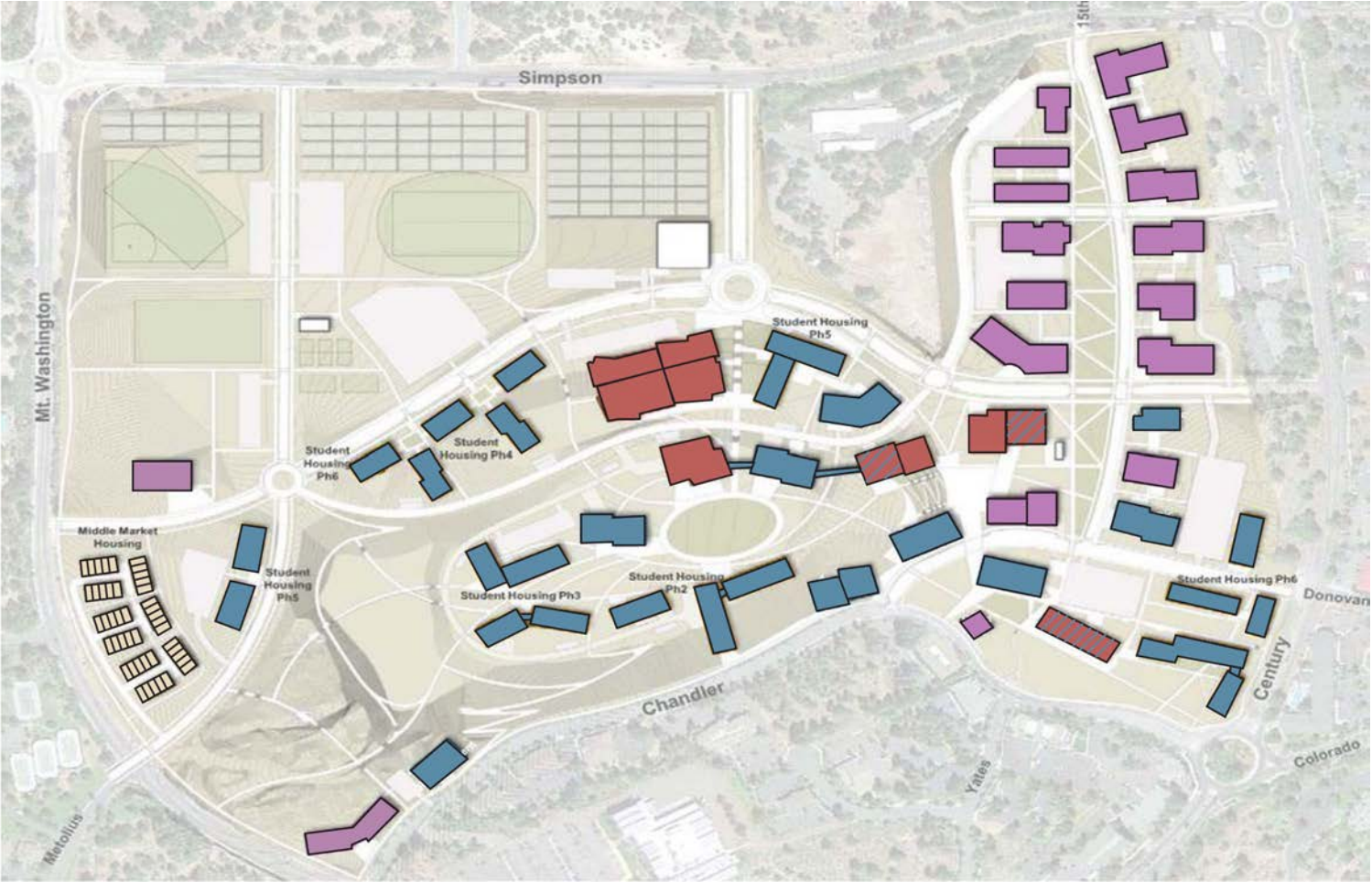
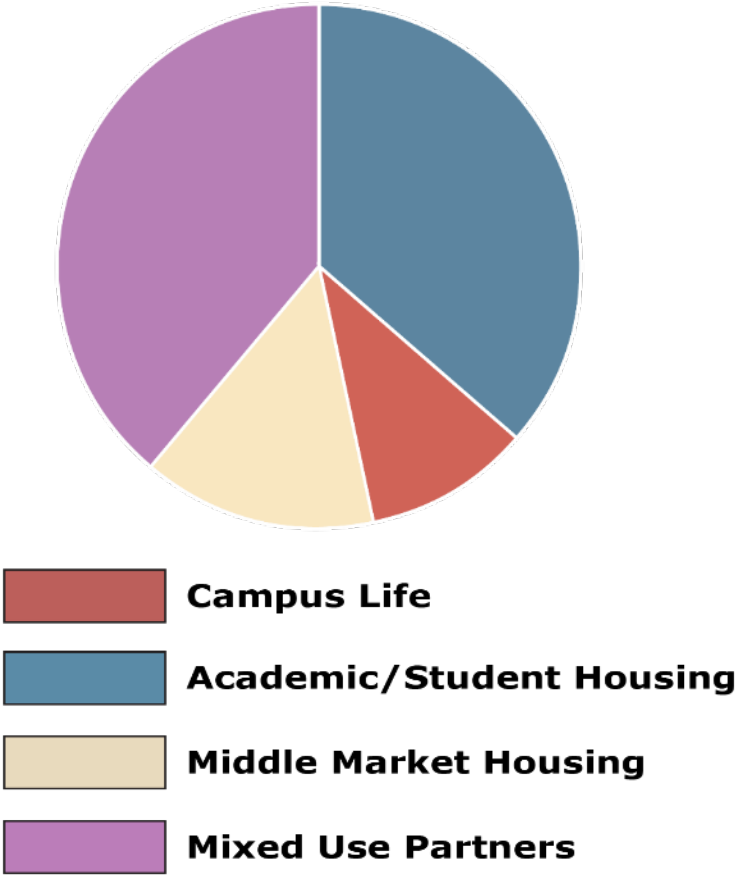
- *Consistency with the Bend Development Code.*
- *Orderly construction of the Bend Urban Area Transportation System Plan network of streets and walking, biking and transit facilities.*
- *Safety and operations.*

Central Westside Plan

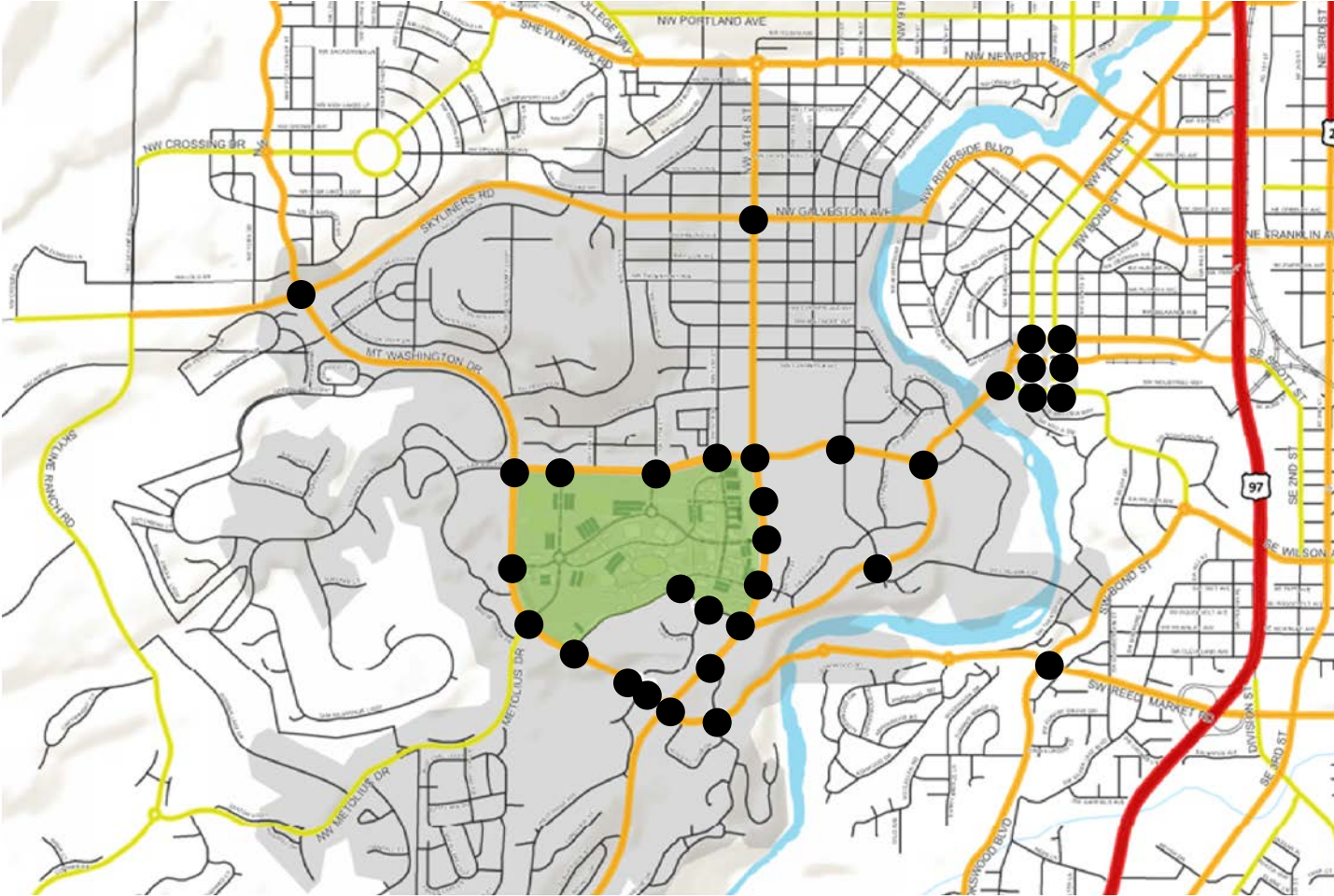


Assumptions and Analysis Approach

Distribution of Trips



Scope of Study Area



The City requires applicants to complete an assessment of the transportation system within the study area of the development for adequacy to serve the new development and to assess the impacts of the development on the nearby transportation system.

32 intersections were studied.

(Intersections abutting site and major intersections)

Findings:

AT BUILD-OUT

- Meets Standards
- Exceeds Standards without OSU-C
- Exceeds Standards with OSU-C
- Left Turn Lane and Pedestrian Improvement
- Frontage Improvement



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Findings:

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Findings:

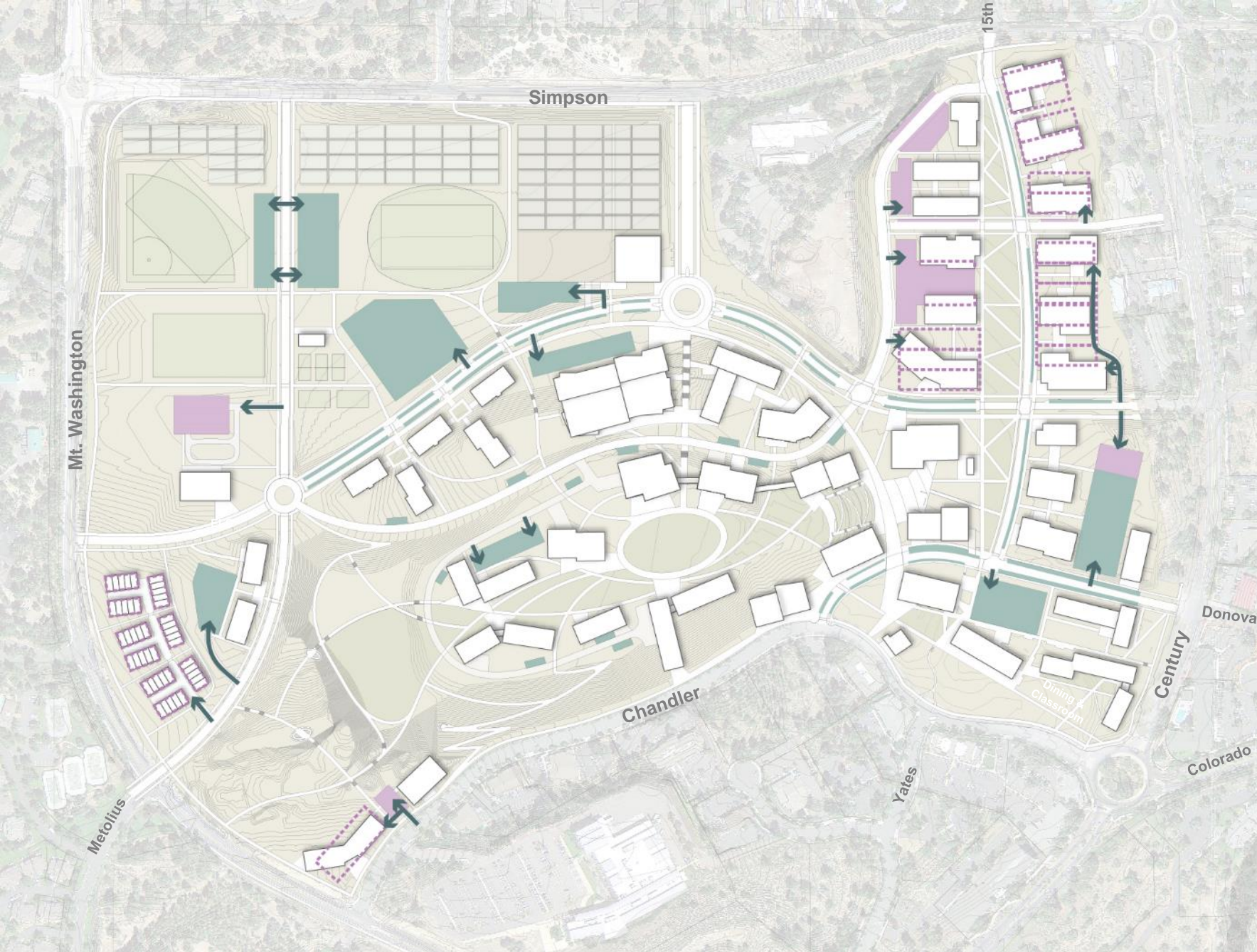
AT BUILD-OUT

- Meets Standards
- Exceeds Standards without OSU-C
- Exceeds Standards with OSU-C
- Left Turn Lane and Pedestrian Improvement
- Frontage Improvement



An aerial photograph of a university campus. In the upper center, there is a large, oval-shaped stadium with a light-colored field. The campus is surrounded by dense evergreen forests. Several buildings are visible, including a prominent multi-story building with a red section on the right. A road with a roundabout is visible in the lower left corner.

Transportation + Parking






Parking

Parking per City
Requirements with TDM
reductions

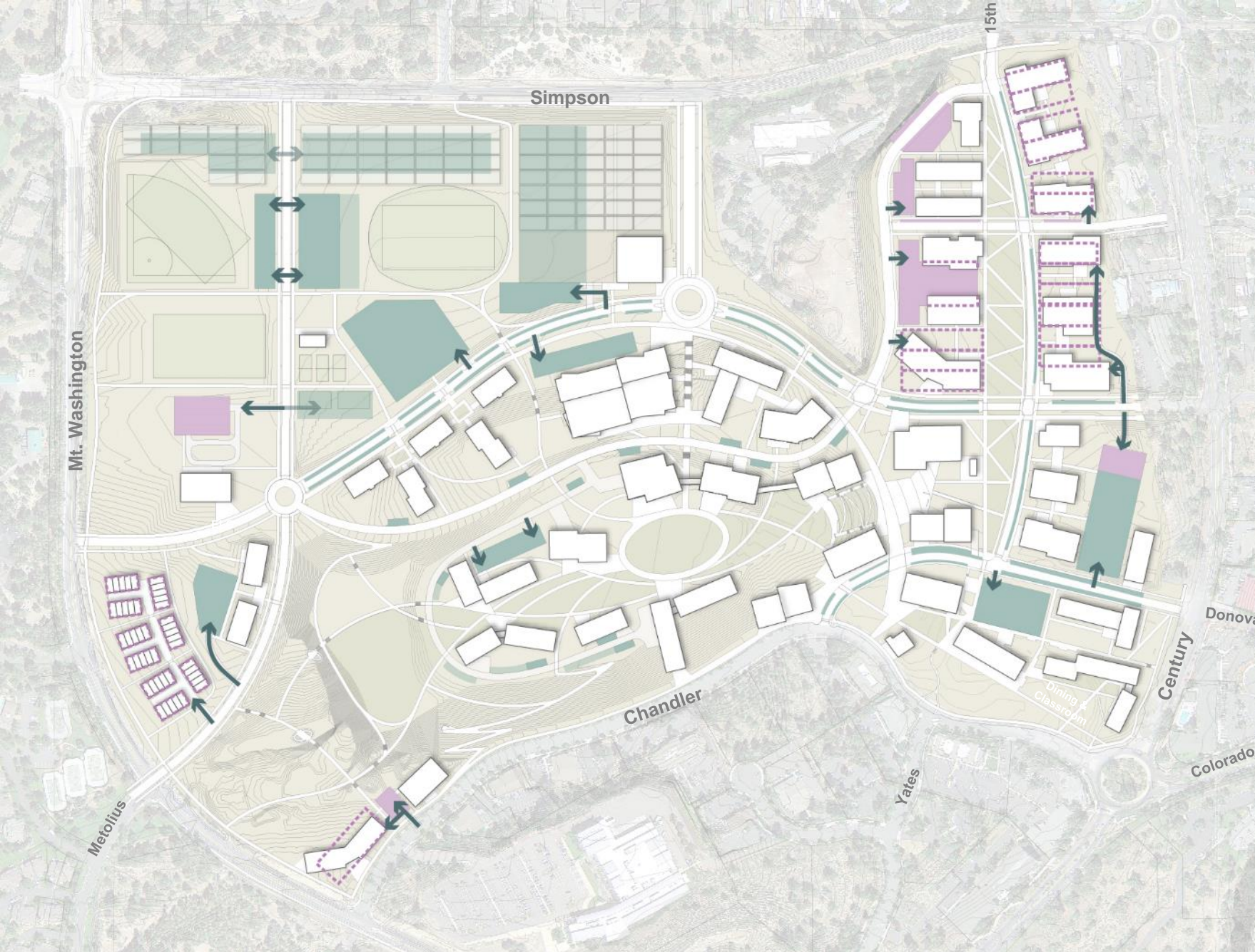
Based on:

City of Bend Development Code:
1,766 spaces

-  Campus Surface Parking
-  Innovation District Surface Parking
-  Innovation District Underground Parking

Additional Parking Capacity

Approximately 750 spaces



- Campus Surface Parking
- Additional Surface Parking Capacity
- Innovation District Surface Parking
- Innovation District Underground Parking



Oregon State University
Cascades

THANK YOU

Q + A

Website for comments