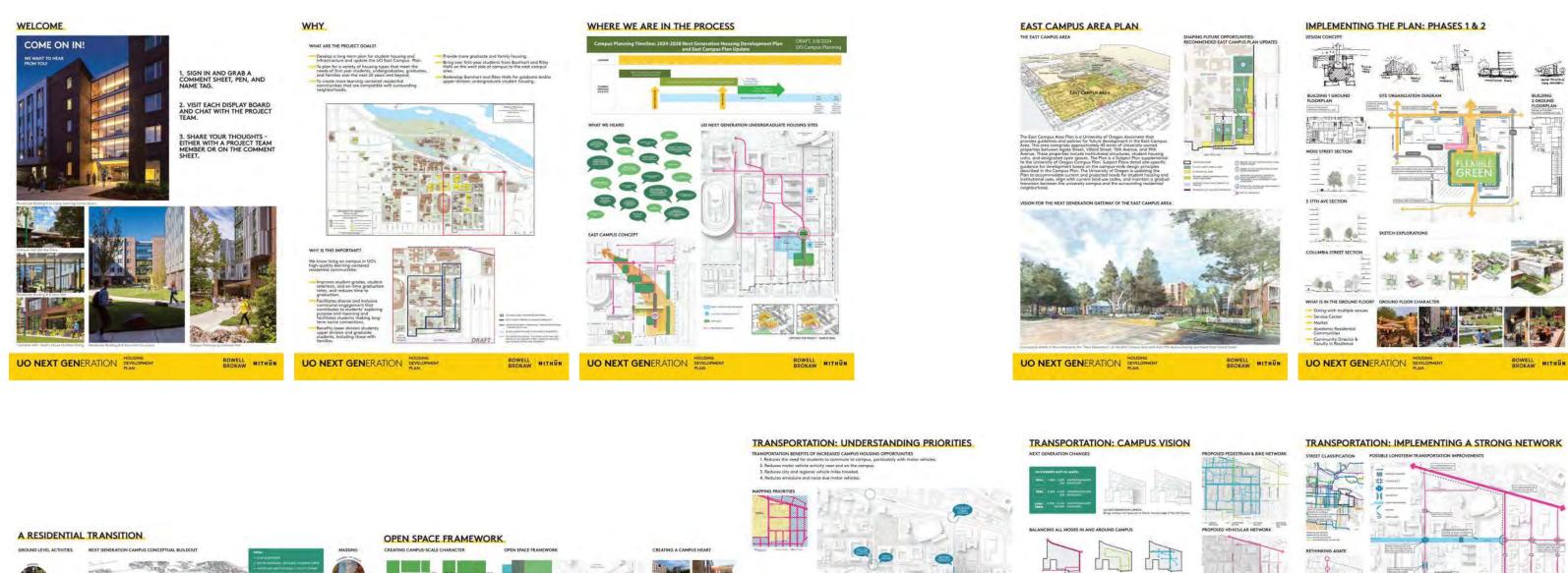
# University of Oregon

Campus Planning Committee Meeting Next Generation Housing Update October 1, 2024



# **OPEN HOUSE DEBRIEF - HOW DID IT GO?**





ROWELL BROKAW MITHŪN

15ICIA		Inclusion of Anone in the Length into A Shick the Hermonia		
	PROPOSED PEDESTRIAN & BIKE NETWORK	STREET CLASSIFICATION POSSIBLE LONGTERM TRANSPORTATION IMPROVEMENTS		
	the state of the s	IL DO	A Statement	and the second se
		young the second		1 / h / h / h
1		server	the manual statement of the statement of	-
11.5			11	Australian I
	the second secon	my line in		
p of the LOCEnter		And all loansy of the sends on a Datase attracts of theme of theme	(- +	
	- 1922 - 1924-19 - 1938-	And the second second	A CONTRACTOR	1 2 4 4
	PROPOSED VEHICULAR NETWORK			
	10 A	and the second s	A 8 -	
		RETHINKING AGATE		Second an Alexandra
		9-		I To I
-		0	The state of the s	12 2 2 2 1
		9	And and a second	Reporter of
	the second se	6 marshare in		
	The second second		And and a set want that part of the intervention of the set of the intervention of	Peter an app
	CALL STREET	a second		1 1 1
		PERMIT	Contenting of the second	
			and the second	······ · · · · · · · · · · · · · · · ·
1		9	A STATE OF COMPANY AND A STATE OF COMPANY	
-2				
12.2	Participation of annual of the second of the	WHAT ABOUT CONGESTION?		BEAR.
1.00		File site Site file Site		
		arment Margan	Cash armount at factors Annual method county Annual or select	to interaction. Ancheorit.
			HOW DO STUDENTS COMMUTE ON / TO CAMPUS?	WHAT ABOUT PARKING?
12.5	and in concession of the local synthetic	CONTRACTOR OF THE PARTY AND	NOW DO STODENTS COMMOTE ON 7 TO COMPOSE	WHAT ABOUT PARAINGT
10.0		0.008	344 TICK THEIR D-T	units of each local is incommon the and the course to also not also income.
120		Description and the state to me		
	A and	***	machanistian Children and Statistics	
100				<ul> <li>An an analysis of the second se</li></ul>
1 264		HALLENG ALLENG SCOTLINE CHARLENT SCHWARE TO C	ARE way	Accession of Manual International Accession of the Accession of Manual International Accession of Accession o
	A second parameter to be a second sec	Hard and the second second		
	ROWELL BROKAW MITHUN	UO NEXT GE	VERATION DEVELOPMENT	ROWELL MITHUN
	DRUKAW		PLAN	BRUNAW

# **ANALYSIS & PLANNING CONSIDERATIONS**

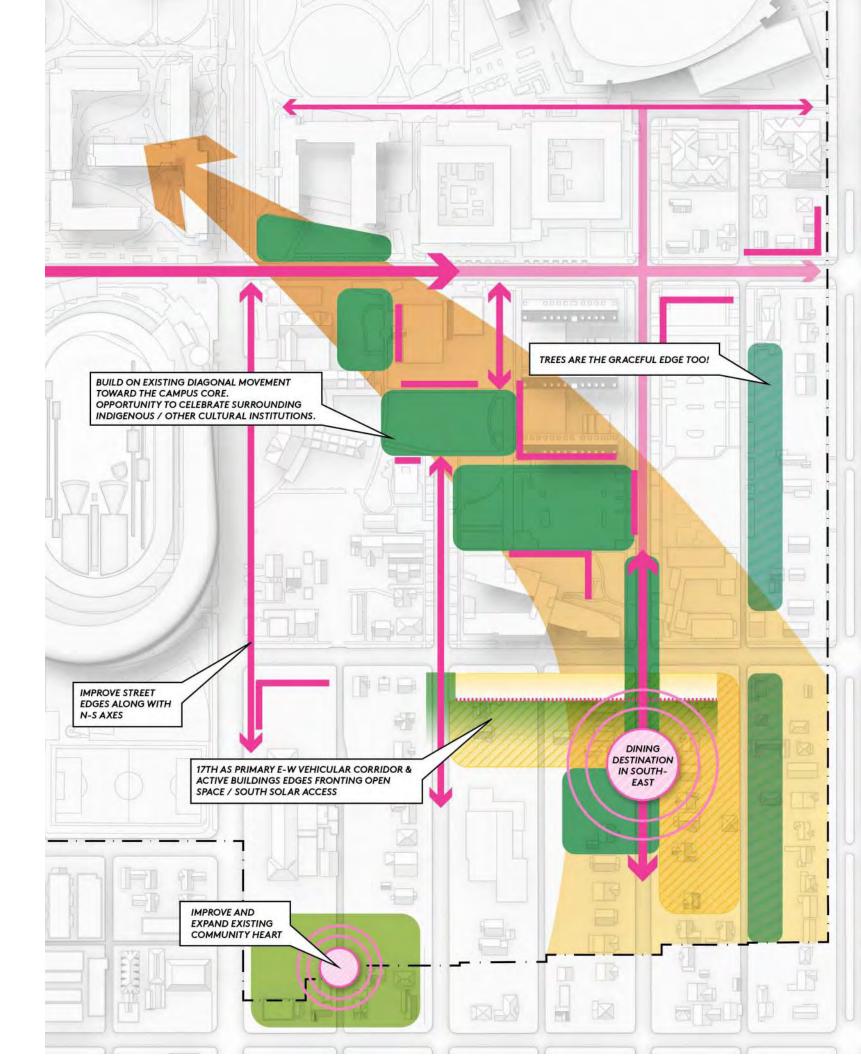
Analysis aimed to understand what makes a successful campus for students today, and what opportunities and challenges come with shaping a sustainable and vibrant campus far into the future. Some considerations explored were: existing zoning, existing building heights, existing tree canopy, proximity of dining and other campus amenities, building frontages, open space framework, street section relationships, and potential displaced uses.

The summary graphic to the right conveys the high level takeaways from this analysis, paired with the major points heard through outreach.

Analysis revealed that the wealth of mature trees in the backyards of homes along Villard Street offer a valuable service in transitioning between neighborhood and campus characters and densities. Maintaining these trees, along with a gradual transition in building scale, together can support a residential transition between campus and neighborhood. A dining and open space destination in the southeast was highlighted in feedback as a critical factor for creating a "draw" to this part of campus and making it feel like a connected part of the network of student activity.

Analysis of circulation patterns and potential active building frontages suggested the potential to build on existing diagonal movement to the campus core through a series of open spaces and north-south axes. Feedback also highlighted the desire to keep E 17th Avenue open to vehicular traffic, reinforcing the need for improved, clear pedestrian crossings and corridors. The opportunity to bring pedestrians into open spaces south of buildings along E 17th Avenue to support activated, south-facing sunny outdoor space ("south-facing outdoors" in UO's pattern language) was also illuminated in analysis.

Finally, the desire to expand and improve the community heart at E 19th Avenue and Agate Street was highlighted in feedback.



# VISION

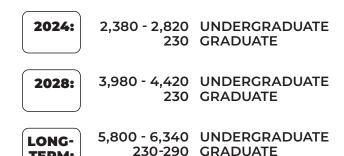
The Next Generation of student housing on the University of Oregon Campus is grounded in all that is loved about the campus now - its vibrant open spaces, welcoming residence halls, diverse dining options, engaging academic opportunities, the range of sports, recreation, and extra-curricular activities that abound, and more. The Next Generation of housing continues to celebrate all that makes the University of Oregon a one-of-a-kind institution, while asking: what can make this place even better for future generations of Ducks?

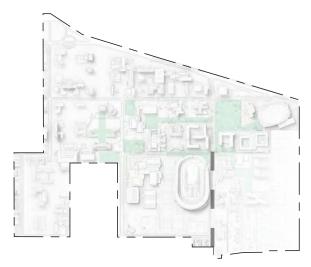
This plan envisions a highly sustainable, welcoming and connected next generation campus, where everyone can feel a sense of belonging and inspiration. Design of campus housing supports social interaction and holistic wellbeing for first year and upper division students through bright and centrally located lounges, an array of ground floor activities, academic residential communities, and a spectrum of personal to large group space. Proximity to great restaurants and family-friendly amenities, and a range of choices for housing type, will support graduate students and families. Building massing, preserved trees, intential open spaces, and clear gateways onto campus will define a gentle transition between the UO campus and surrounding neighborhood.

Bustling open spaces, preserved groves of mature trees, ecologically-rich landscapes, and safe bicycle and pedestrian routes will knit together campus facilities and amenities, and make the eastern part of campus feel like a connected and unified part of the campuswide character. Inviting buildings will front on vibrant open spaces, maximizing social cohesion by shaping great shared spaces where people want to gather and interact. Existing cultural institutions like the Many Nations Longhouse, Northwest Indian Language Institute, Museum of National and Cultural History, and Lyllye Reynolds-Parker Black Cultural Center will be celebrated as anchors within a thriving and mutually-supportive Eco Commons open space. Sustainable energy systems, maintainable sites and healthy building materials will instill an ethic of care and a sense of pride for those living on campus.

### **UO STUDENTS EAST OF AGATE:**

**TERM:** 

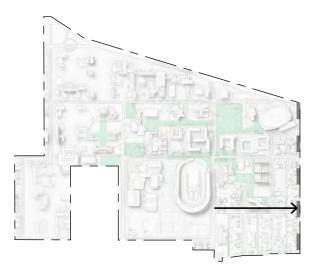




**UO NEXT GENERATION CAMPUS:** Brings campus into focus out to Villard, the east edge of the UO Campus



Conceptual sketch of the entrance to the "Next Generation" of the East Campus Area onto East 17th Avenue looking southwest from Villard Street





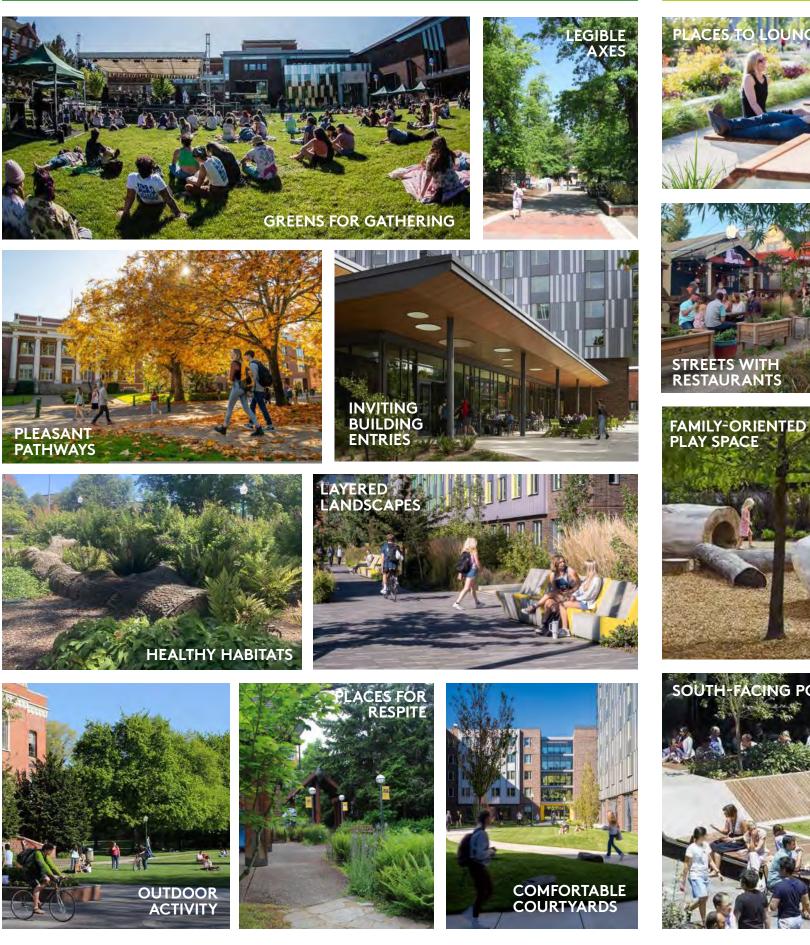


# NEXT GENERATION CAMPUS IDENTITY

The University of Oregon is a one of a kind place for students to forge new relationships, explore their interests, and build successful futures. According to the UO website, "More than just a center of learning, campus is also the nesting place for thousands of Ducks. It's the heart of student life, where fun and interesting things happen, people and cultures mix, and lifelong friendships are forged."

The Next Generation campus will build on this vibrant identity, expanding the nexus of campus actvity east to Villard Street and south toward E 19th Avenue. While this will feel like a connected part of the UO campus, it will also have its own identity - one that leverages close relationships to restaurants and businesses, and makes the most of the friendly neighborhood character. In the heart of this next generation campus, first year and upper divsision residence halls will bring a buzz of activity, spilling out onto pedestrianized Moss Street and the south-facing porch and green adjacent to a new dining facility. Farther from this heart, but still connecting to the campus core, a forested green neighborhood offers a range of living options for graduate students and families. Safe pedestrian and bike routes along with new children's play facilities cater to the needs of families at UO. Thriving ecological and culturally-significant landscapes will shape healthy environments for all, and support the priorities of campus cultural institutions.

### EXISTING UO CAMPUS ENVIRONMENT



### + POTENTIAL NEXT GENERATION ADDITIONS







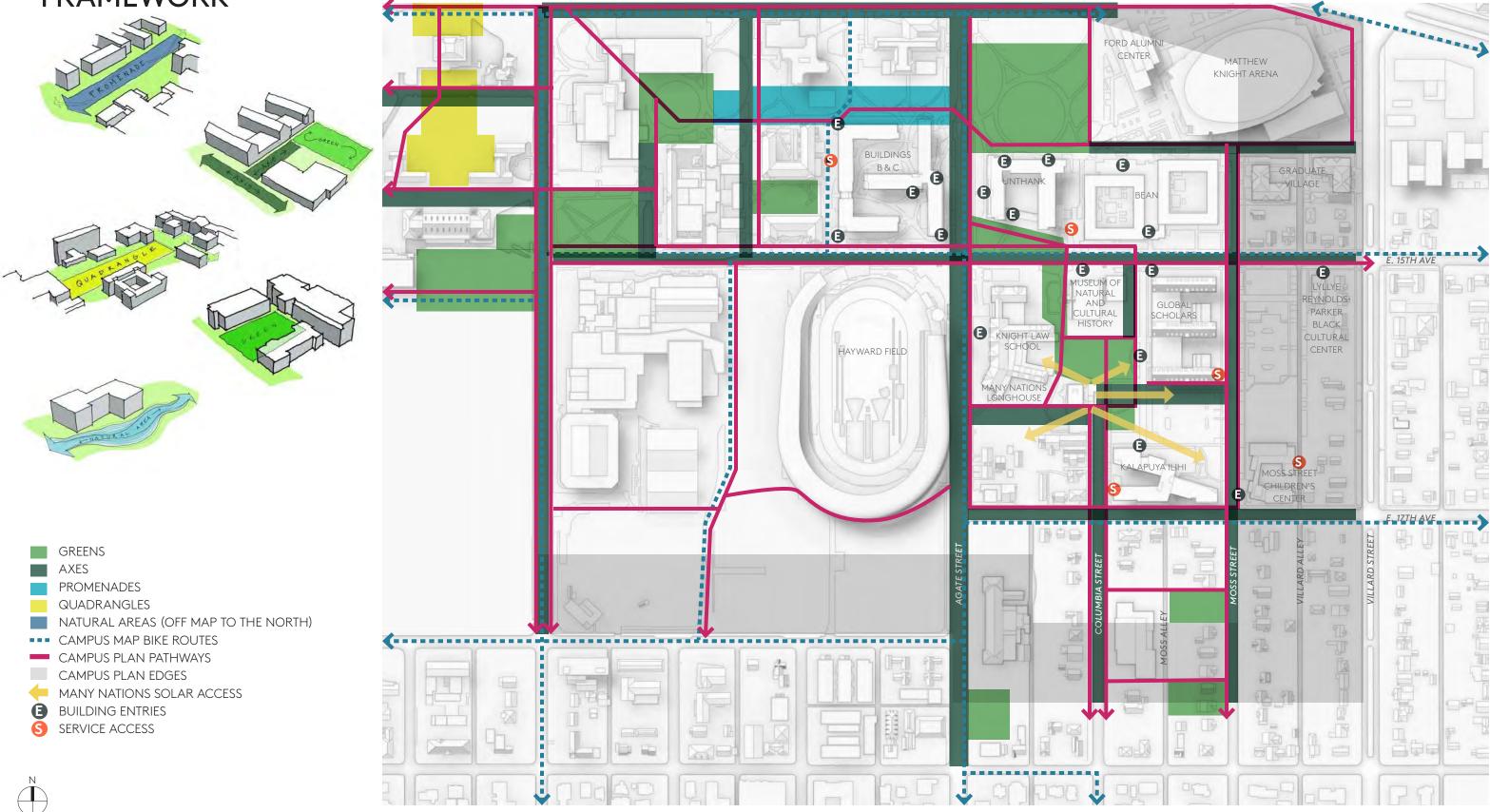






# EXISTING DESIGNATED CAMPUS OPEN SPACE

# FRAMEWORK



# EXISTING DESIGNATED OPEN SPACE + EXISTING TREE CANOPY

The existing open space network on east campus is made up entirely of axes and greens, with many of the axes currently used for parking and service access rather than providing a predestrian-friendly open space.

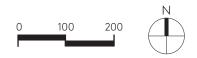
The Many Nations Long House Axis is a central anchor to the east campus open space framework, with a planned expansion of the longhouse and design for an "Expression Place" and "Way of the People" walkway extending east from the longhouse. The parking lot to the south is not currently designated open space, and presents an opportunity to improve the network with additional open space along the diagonal pedestrian route to the campus core. The desire to maintain winter solstice sunrise solar access to Many Nations longhouse also restricts vertical development in this area, supporting its potential future use as open space.

### LEGEND

GREENS
AXES
PROMENADES
QUADRANGLES (OFF MAP TO THE WEST)
NATURAL AREAS (OFF MAP TO THE NORTH)

EXISTING EAST CAMPUS TREE

EXISTING PRIORITY TREE INCLUDES MATURE OAKS, CEDARS, CYPRESS, SPRUCE, AND REDWOODS





# POTENTIAL OPEN SPACE FRAMEWORK + EXISTING TREE CANOPY

This plan highlights the opportunity to align UO's campus open space framework with existing trees to allow preservation of valuable canopy while making space for new development that activates and supports these open spaces. Tree canopy in the backyards of homes along Villard supports a gentle transition between campus and neighborhood, and provides valuable ecological services.

A proposed new type of open space character, the Eco Commons, celebrates adjacencies with existing cultural institutions like the Many Nations Longhouse, Northwest Indian Language Institute, and Lyllye Reynolds-Parker Black Cultural Center. These landscapes prioritize native and culturally-significant plants, celebrate stormwater, and shape an anchor of ecologically rich open space on campus. This plan includes undesignated open space to indicate how an open space network could build from existing tree canopy and support a residential transition between campus and neighborhood. Undesignated open spaces do not formally restrict vertical development as designated open spaces do, but they represent priority areas for tree preservation and open space. The trees numbered in the diagram were identified by the UO arborist as priority trees for retention if possible.

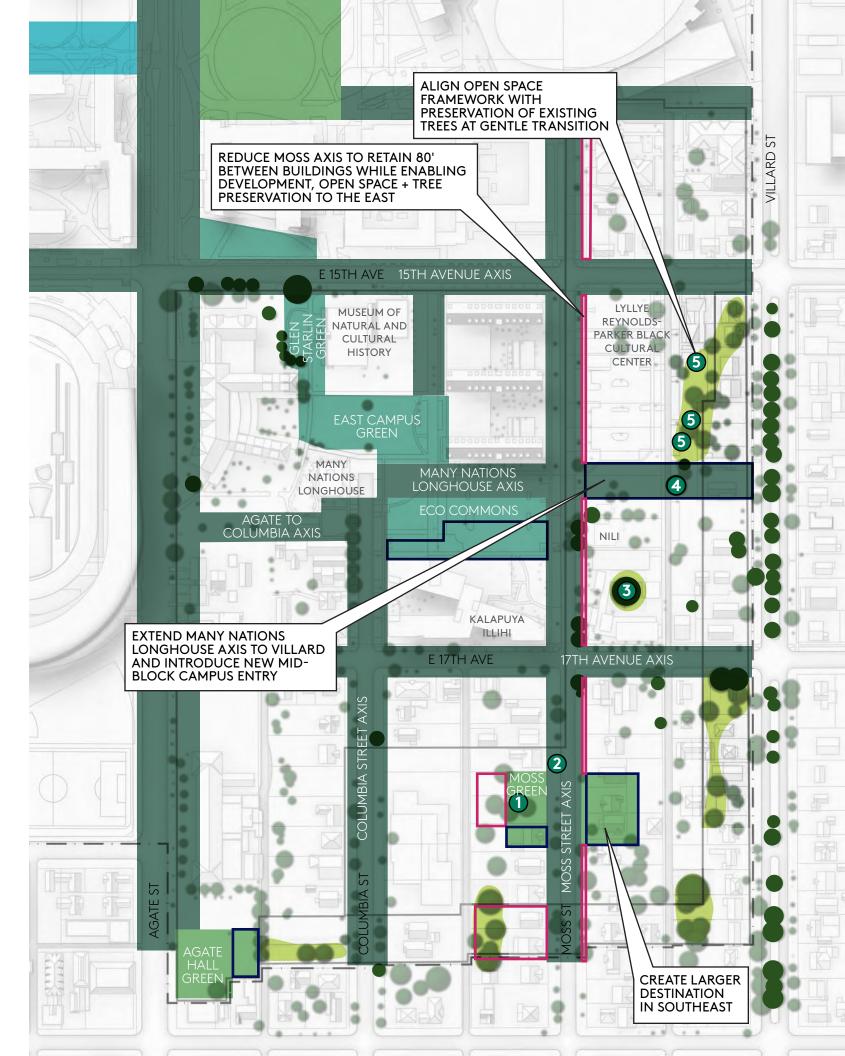
### LEGEND

- ADDED DESIGNATED OPEN SPACE
   REDUCED DESIGNATED OPEN SPACE
   GREENS
  - AXES PROMENADES ECO COMMONS
- UNDESIGNATED OPEN SPACES
- EXISTING EAST CAMPUS TREE

EXISTING PRIORITY TREE INCLUDES MATURE OAKS, DOUG FIRS, CEDARS, CYPRESS, SPRUCE, AND REDWOODS







# **CREATING CAMPUS-SCALE CHARACTER**



# POWELL PLAZA E 15TH AVE CLOSE E 15TH AVE E 17TH AVE CLOSE MOSS ST MOON LEE LN / VILLARD ALLEY AGATE STREET MOSS STREET COLUMBIA ALLEY **VILLARD STREET** COLUMBIA STREET MOSS ALLEY

### **EXISTING VEHICULAR NETWORK**

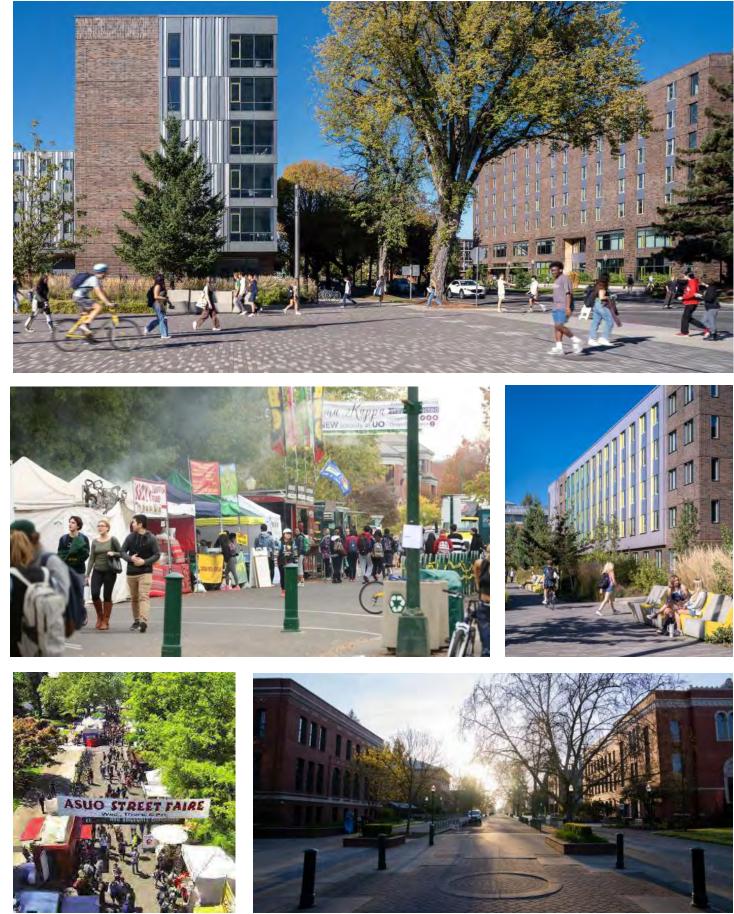
### POTENTIAL VEHICULAR NETWORK

STREET VACATIONS:

- MOSS STREET SOUTH OF E 17TH AVENUE
- E 15TH AVENUE BETWEEN AGATE STREET AND VILLARD STREET

ALLEY VACATIONS:

- MOSS ALLEY SOUTH OF E 17TH AVENUE
- MOON LEE LANE SOUTH OF E 17TH AVENUE
- COLUMBIA ALLEY SOUTH OF E 17TH AVENUE
- VILLARD ALLEY BETWEEN E 15TH AND 5 17TH AVENUES



E 13th Ave and E 15th Ave: Precedents for street closure on campus

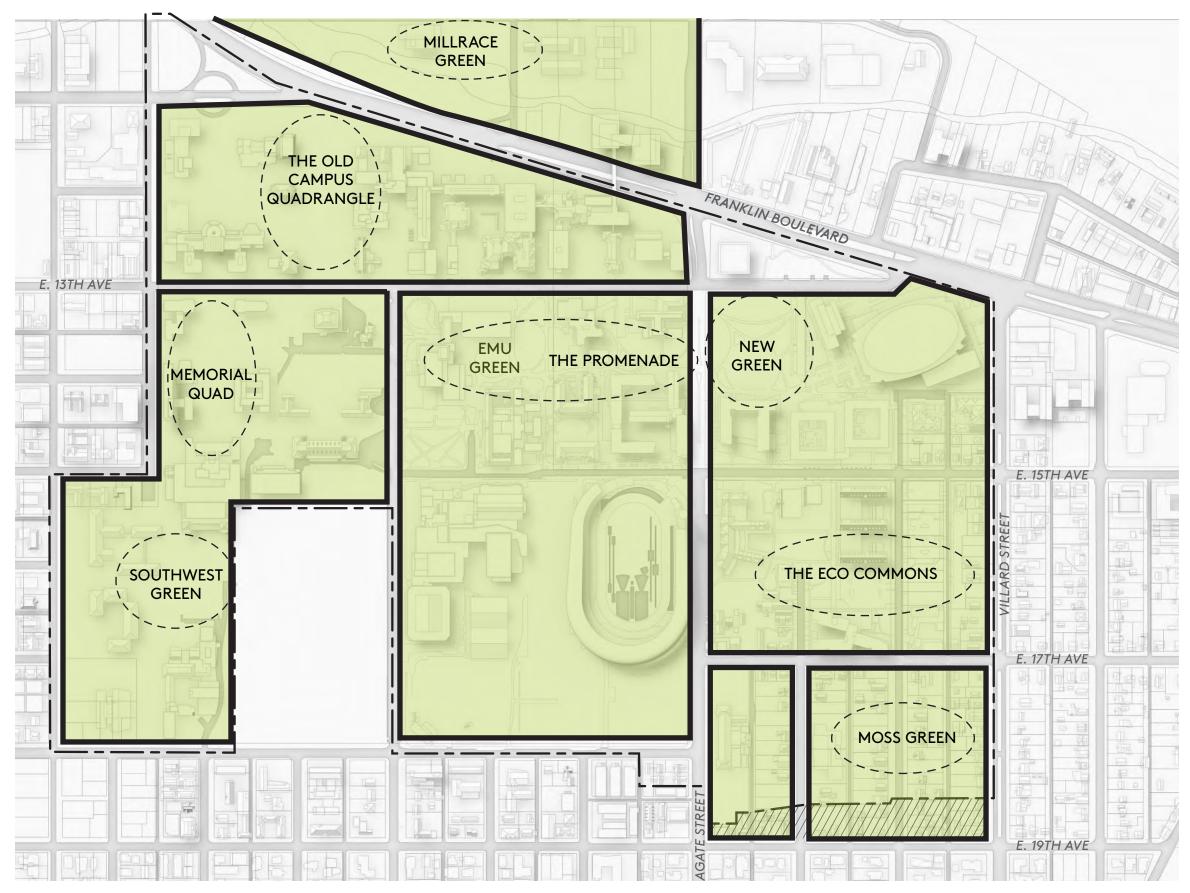
# **UO CAMPUS BLOCKS**

The UO campus pedestrian environment benefits from numerous street vacations that create largescale campus blocks free from private vehicle traffic. The east campus area has the potential to match the existing scale of campus blocks through the closure of East 15th Avenue, Moss Street, and alleys to private and unauthorized vehicular traffic, as shown to the right.



# UO CAMPUS POTENTIAL OPEN SPACE ANCHORS

Existing campus blocks are each anchored by a significant existing open space. Proposed open spaces on east campus provide these anchors within the larger campus block framework, creating a hierarchy of open spaces for legibility and diversity of campus environments.



# DEFINING UO CAMPUS BLOCK EDGES

Streets both divide and connect campus blocks to one another. The proposed functions of streets on east campus allow for safe pedestrian and bike connection along with functional movement of service and other vehicles. This plan envisions future east campus streets:

### EAST 15TH AVENUE:

Closed to private vehicles, open to service vehicles. Appealing and generous pedestrian zones, with integrated bicycle movement (not separated lanes).

### EAST 17TH AVENUE:

A key vehicular connector through the neighborhood, but improved for pedestrian and bicycle access both along and across the street. Potential removal of parking and expansion of frontage zones allows for greater pedestrian safety and screening for privacy of ground floor units.

### VILLARD STREET:

A key vehicular connector and neighborhood street with appealing sidewalks, but scaled to the neighborhood fabric as opposed to larger campus pathways.

### MOSS STREET/PLAZA:

Closed to vehicular traffic, and only accommodating service vehicles east of Global Scholars Hall, off of E 15th Ave. Primarily, this is a festival street with highly active edges and large volumes of pedestrians, with potential fluctuation in use depending on time of day or year.

### COLUMBIA STREET:

Open to vehicular traffic south of 17th, with improved sidewalks and frontage zones to enhance the pedestrian environment and allow for screening of ground floor units.

### AGATE STREET:

Open to traffic, while providing legible and safe intersections for pedestrian crossings, with improved bike facilities south of E. 15th Avenue.





# OPEN SPACE TYPOLOGIES GREENS: MOSS GREEN & THE PORCH

East campus greens include the future Moss Green porch anchor and the improved Agate Hall Green.

Moss Green is defined by highly active and permeable ground floor edges, with accessible uses open to a range of UO users. While a dining facility activates the north edge of Moss Green, other potential uses, like a health center, grab-and-go facility, and academic residential communities activate the other edges of the green. Minor grade change allows further definition of the "green" from the surrounding open space areas, which include a covered porch adjacent to dining, and potential community garden providing a buffer from Moss Alley while preserving solar access into the open space. Existing preserved trees provide a transition between the garden and more formal green. Potential seating or steps connects the porch to the green, offering a habitable area for those looking to observe or soak up the sun.

Agate Hall Green remains a community amenity, with improvements and potential expansion of the existing playground facility. Future housing development around this open space and connections to the businesses along E 19th Avenue can reinforce this space as a community heart that caters to the needs of families.





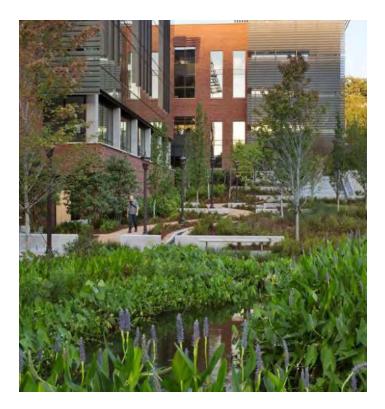






# OPEN SPACE TYPOLOGIES GREENS: ECO COMMONS

The eco commons is a proposed open space character, anchoring a part of campus that celebrates being the nexus of numerous cultural institutions, including Many Nations Longhouse, Northwest Indian Language Institute, the Native American Indigenous Studies ARC in Kalapuya Illihi residence hall, the Museum of Natural and Cultural History, and the Lyllye Reynolds-Parker Black Cultural Center. The eco commons refers to open space that is ecologically rich, catering to all types of species, including birds, pollinators, and humans. It celebrates stormwater in legible ways, and integrates with surrounding buildings to support priorities of adjacent programs, with potential for features like: edible, medicinal and culturallysignificant plant gardens, areas that are managed and cared for by specific campus groups, outdoor classroom spaces, recreational green spaces, and other opportunities. While these landscape characteristics are emblematic of the eco commons, they exist and should continue to be prioritized across the holistic UO campus landscape.











# OPEN SPACE TYPOLOGIES MOSS AXIS

Numerous axes contribute to the open space network on east campus. Among them, the two most important in the hierarchy are Moss plaza and the Many Nations Longhouse Axis.

Moss plaza offers a raised crossing across E 17th Avenue, and provides an activated spine that connects the two east campus open space anchors: the Moss Green porch and the Eco Commons.

Many Nations Longhouse Axis connects the Longhouse eastward to Villard Street, celebrating Native traditions through the planned Expression Place, Way of the People, and other potential improvements. This axis is surrounded by open space that is characterized on the next page as the "Eco Commons," described on the previous page.











# **CORRIDOR CHARACTER**



A CONINUATION OF POWELL PLAZA'S CHARACTER AS A PRIMARY ROUTE FOR PEDESTRIANS AND BIKES THAT ALSO PROVIDES SERVICE ACCESS



A CAMPUS CONNECTOR AND GATEWAY, WITH BIKE LANES AND SAFE CROSSINGS FOR PEDESTRIANS



A CLEAR CONNECTOR FOR VEHICLES AND BIKES, WITH SAFE CROSSINGS AND SIDEWALKS FOR PEDESTRIANS



VILLARD: RESIDENTIAL BOULEVARD

A GREEN RESIDENTIAL STREET WITH MATURE TREE CANOPY THAT OFFERS A GATEWAY ONTO CAMPUS



A NEXUS OF ACTIVITY AND ENERGY, WITH INDOOR/ OUTDOOR POROSITY AND GENEROUS PEDESTRIAN SPACE FOR MOVING AND GATHERING

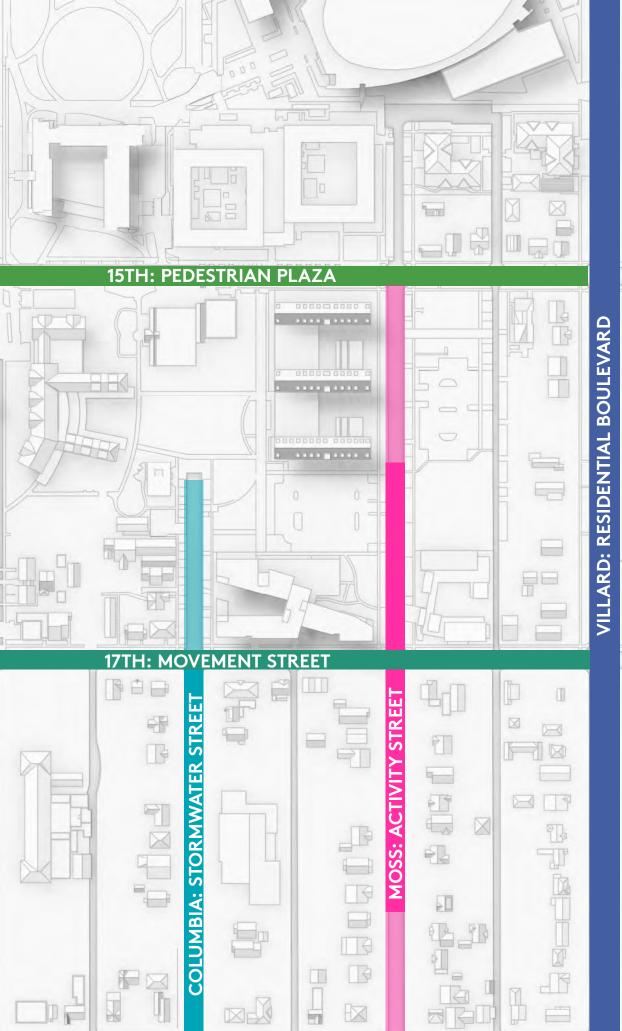


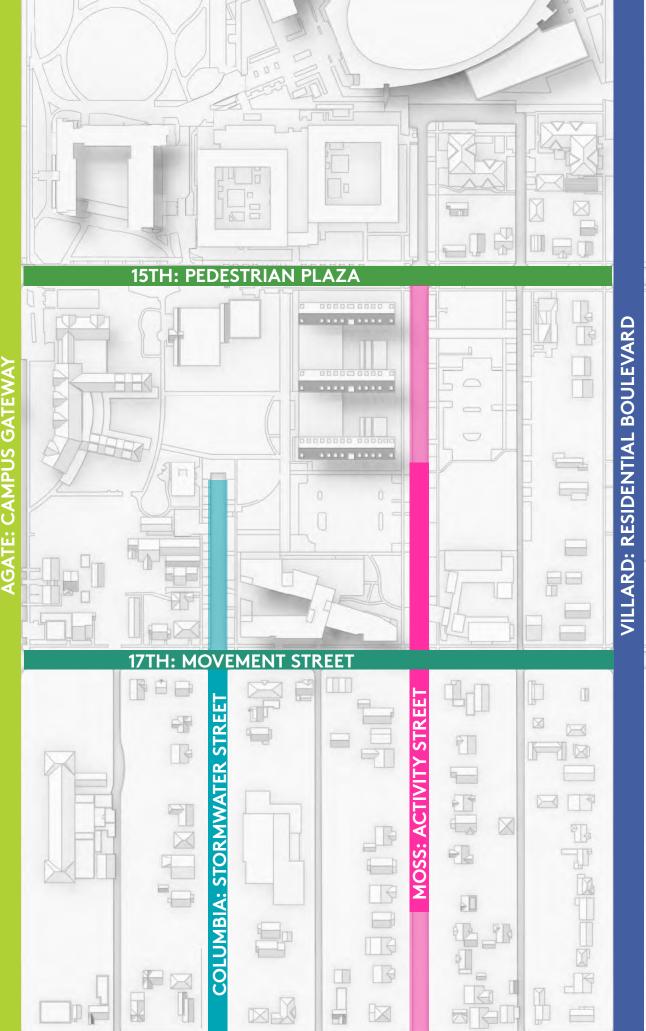
**COLUMBIA: STORMWATER STREET** 

A CLEAR CONNECTOR FOR VEHICLES AND BIKES, WITH SAFE CROSSINGS AND SIDEWALKS FOR PEDESTRIANS









# SUPPORTING SAFE CAMPUS CIRCULATION

With growing density of student housing in the southeast of campus, and Villard becoming the new east edge of campus, new pedestrian and bicycle infrastructure is needed to support safe, legible, and appealing campus connections. Primary pedestrian crossings at 15th & Agate and 17th & Moss will become more critical with additional student foot traffic, and tabled intersection conditions should be considered to promote safe crossings and slow vehciular traffic. 17th & Agate and 17th & Columbia should also be improved to support safe pedestrian crossings, particularly in the near term before open space improvements north of 17th can be implemented to offer a new off-street primary pedestrian route through campus.

### LEGEND

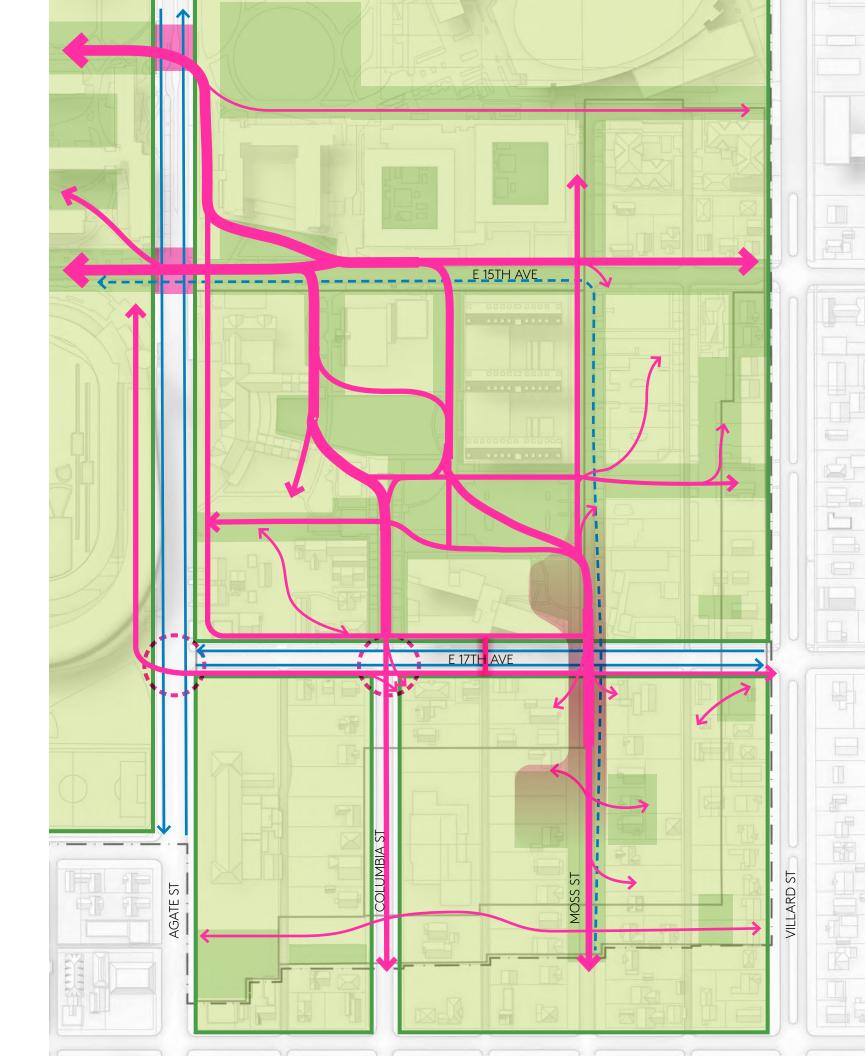
PEDESTRIAN FLOW

IMPROVED PEDESTRIAN CROSSING

TABLED INTERSECTION

- → BICYCLE ROUTE (CONFIDENT CYCLISTS)
- → BICYCLE ROUTE (SLOWER OR LESS CONFIDENT CYCLISTS)





# **SERVICE + VEHICULAR ROUTES**

To support the open space framework, and minimize vehicular conflicts with pedestrians, the potential service configuration uses alleys, streets, and service-only vehicular routes like E. 15th Avenue. This allows primary pedestrian zones, like Moss Plaza, to function safely for pedestrians and bikes. It also means that service functions within the adjacent developments can face the alleys, leaving frontages along Moss, in particular, available for activating uses. A possible pedestrian/service corridor south of Phase 1 and 2 development sites would keep service traffic off of E. 19th Avenue.

### LEGEND



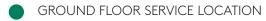
VEHICULAR CIRCULATION



POTENTIAL PARKING STRUCTURE LOCATION AND FOOTPRINT

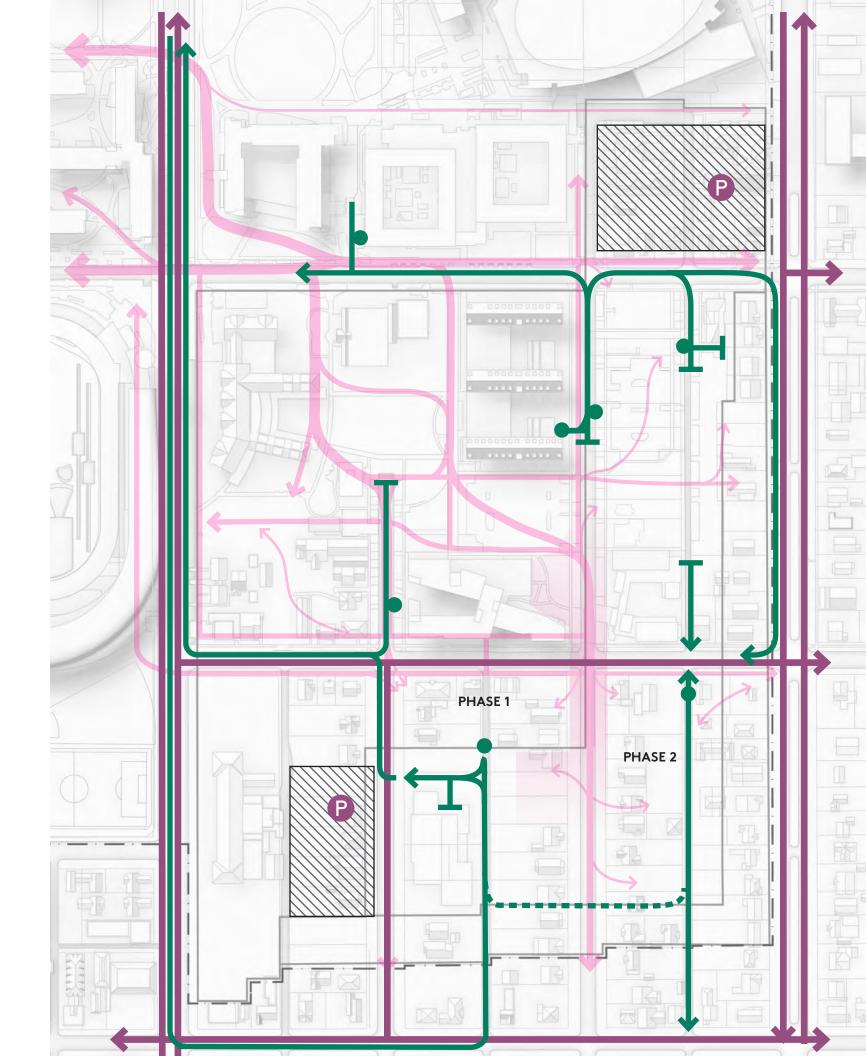


**---** POTENTIAL SERVICE CONNECTION





\*NOTE: SOME SERVICE ROUTES MAY NOT ACCOMMODATE LARGE TRUCKS. ROUTES FOR LARGE TRUCKS ARE TO BE FURTHER COORDINATED WITH UO.



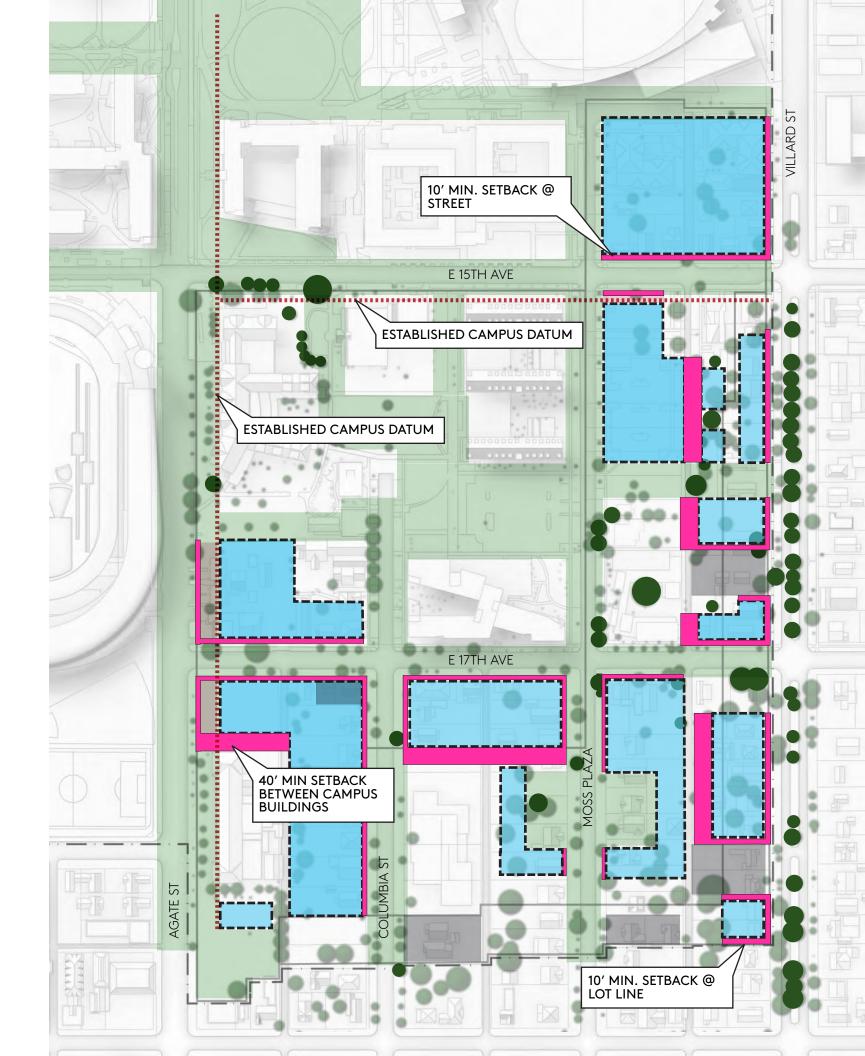
# IDENTIFIED FUTURE DEVELOPMENT AREAS

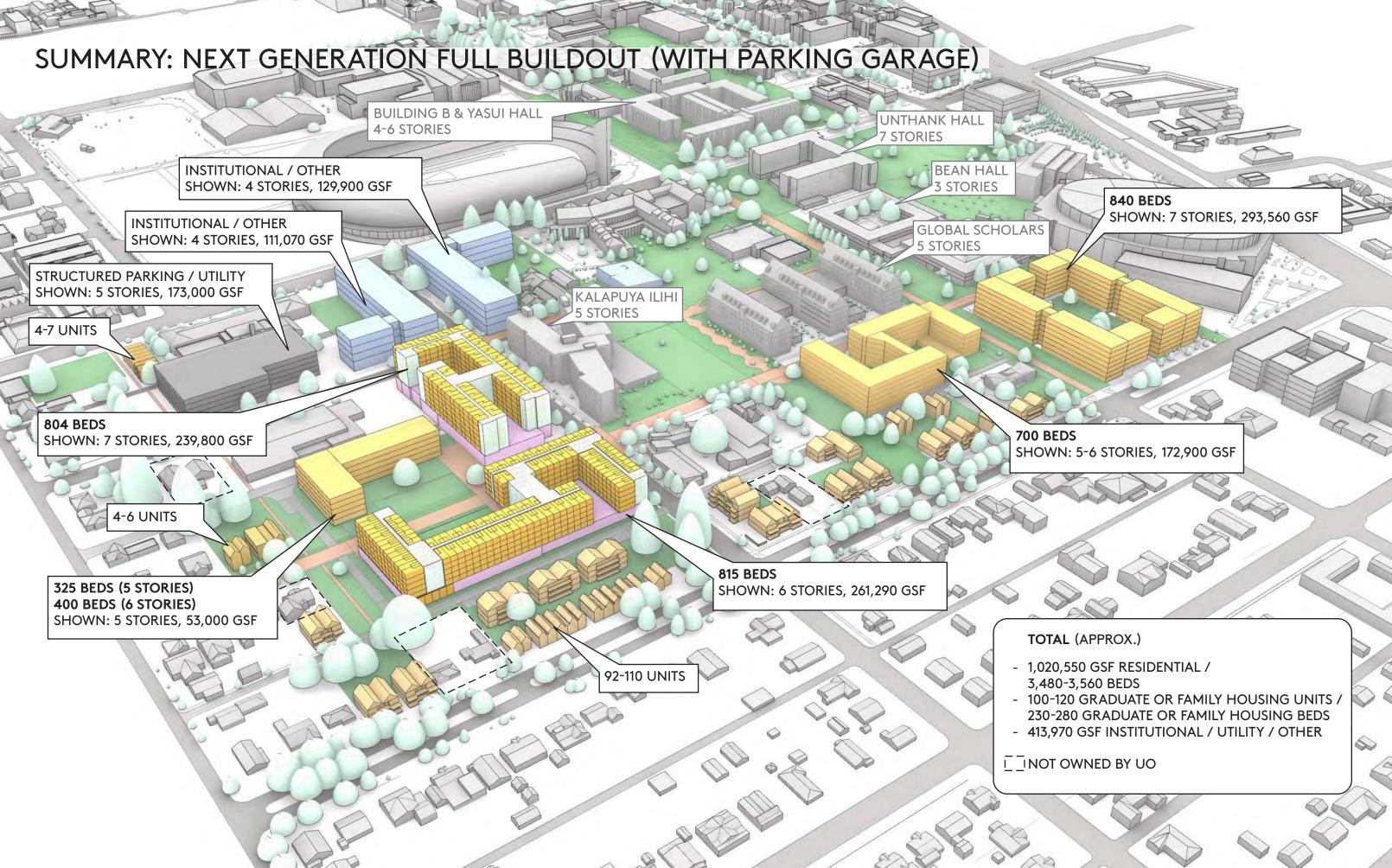
A long term open space framework, established street setbacks, and opportunities for preservation of mature trees define the optimal locations for future development. These areas do not represent development footprints, but reflect zones that may be developed with one or more buildings of similar use, along with future open spaces.

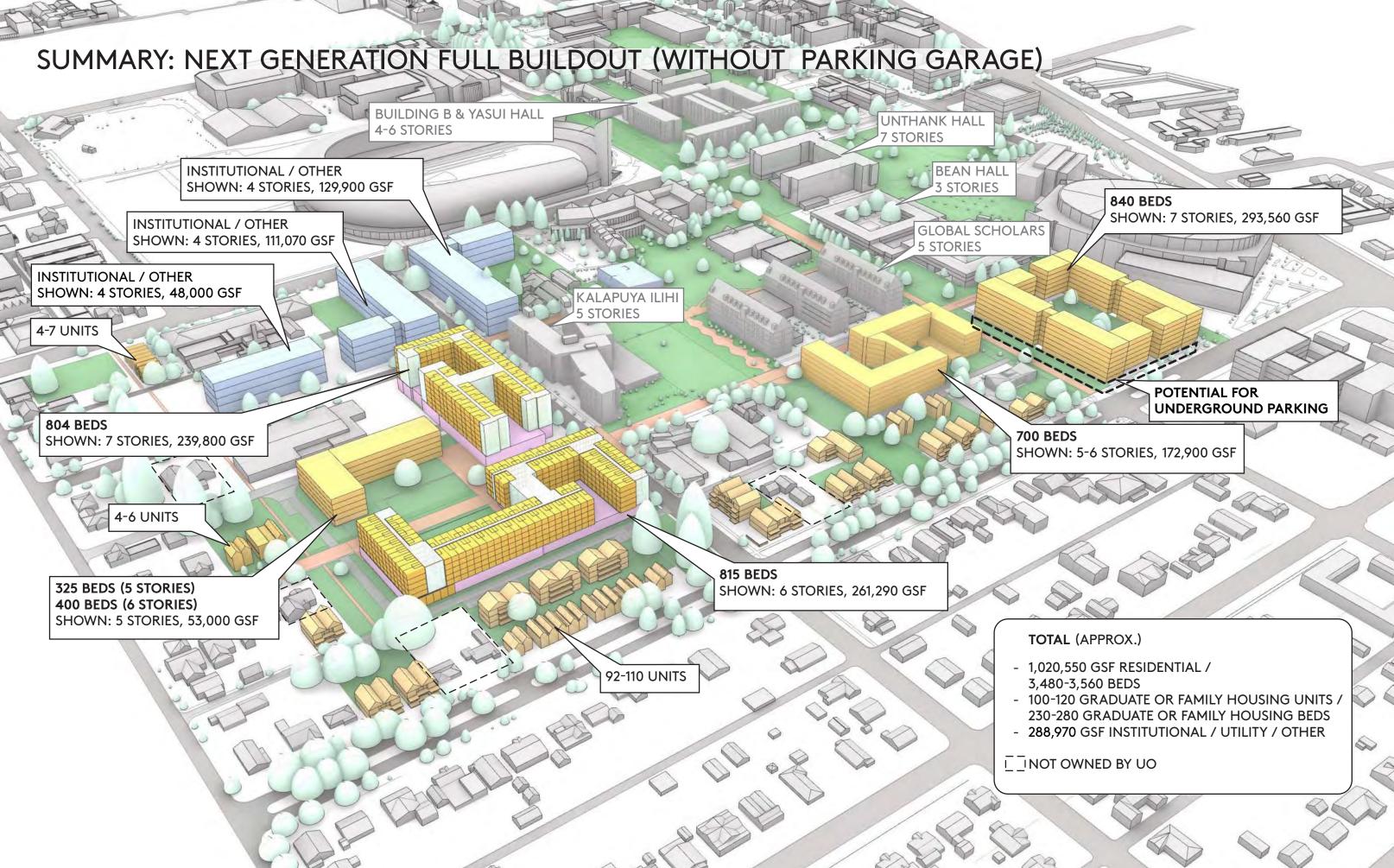
### LEGEND

- DEVELOPMENT SETBACKS: 10' ALONG STREETS; 40' FROM OTHER CAMPUS BUILDINGS
- POTENTIAL DEVELOPMENT AREAS
- NOT OWNED BY UO
- DESIGNATED OPEN SPACE (NO STRUCTURES ALLOWED)
- EXISTING EAST CAMPUS TREE
- EXISTING PRIORITY TREE INCLUDES MATURE OAKS, DOUG FIRS, REDWOODS AND OTHERS IDENTIFIED BY UO ARBORIST









# HEIGHT OF ADJACENT CAMPUS PROJECTS

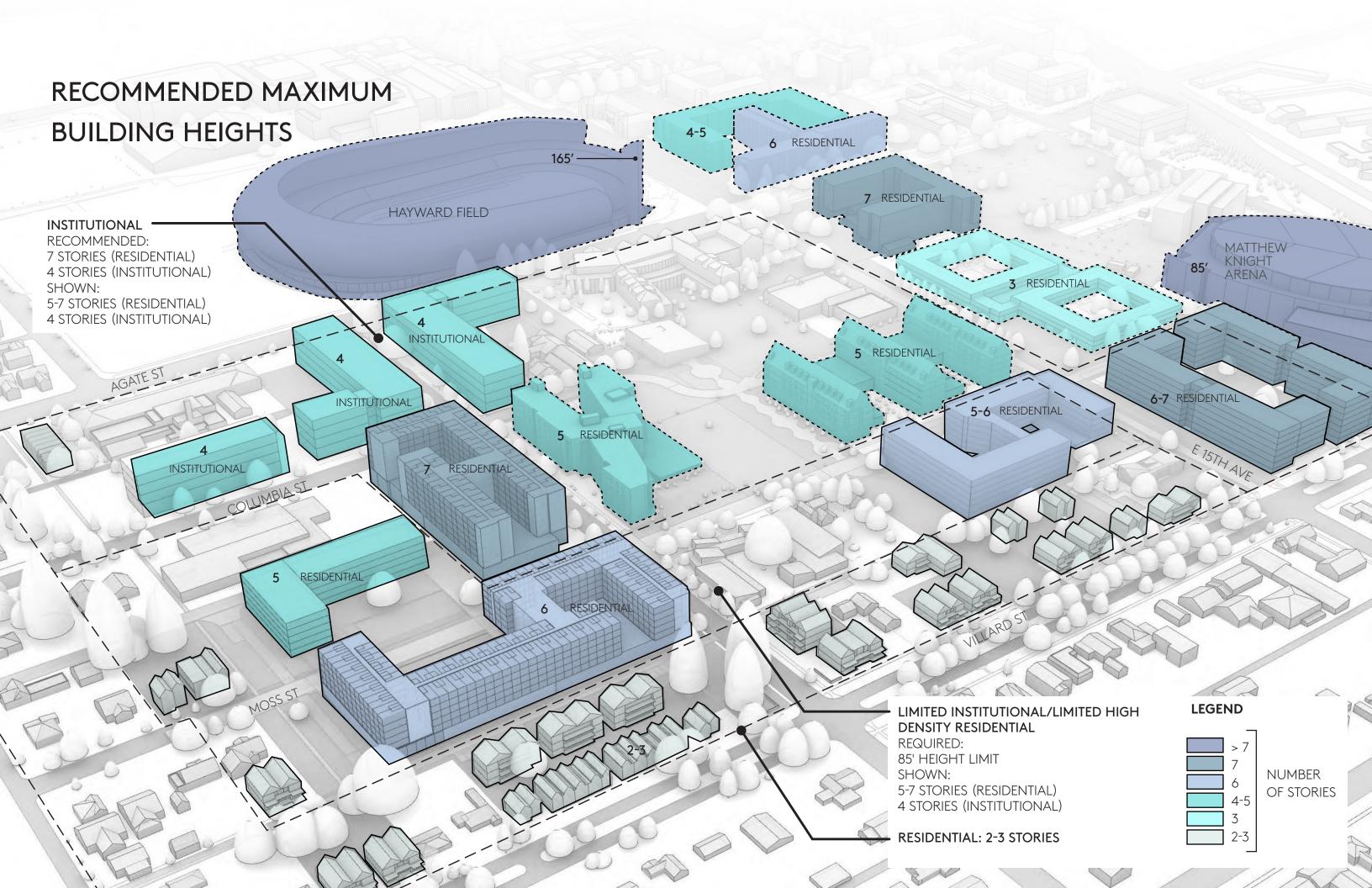




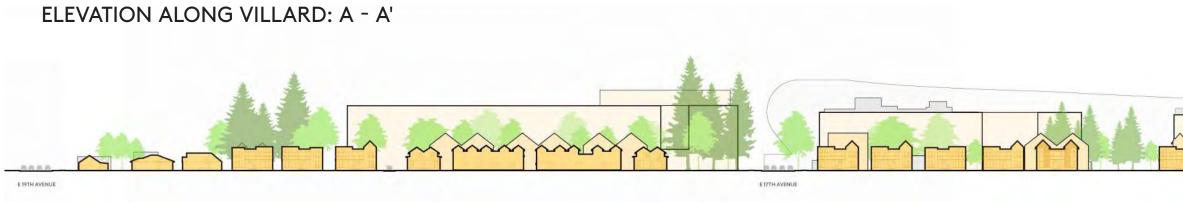




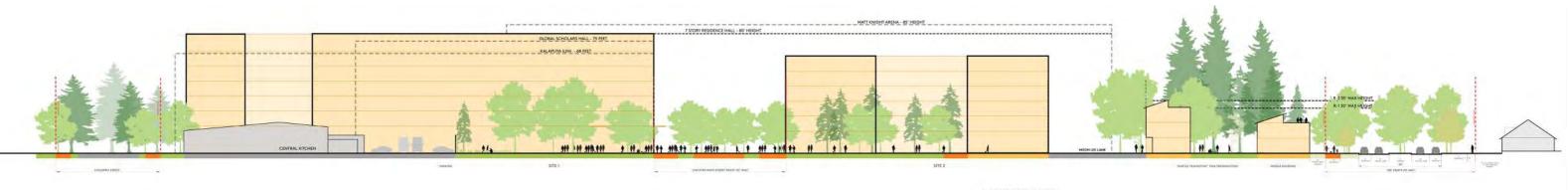




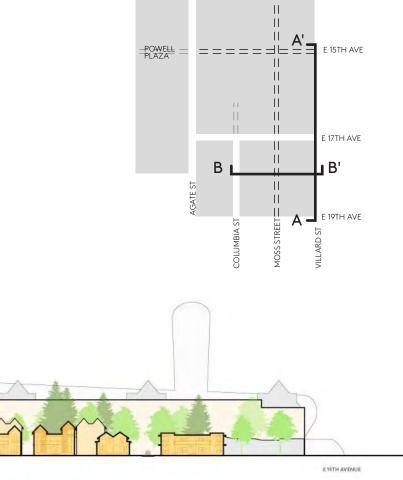
# **RESIDENTIAL TRANSITION**



### COLUMBIA TO VILLARD: B - B'



VILLARD ST (LOOKING NORTH) GRACEFUL EDGE CONCEPT A / B





# **CREATING A CAMPUS HEART**













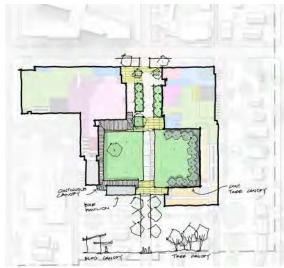


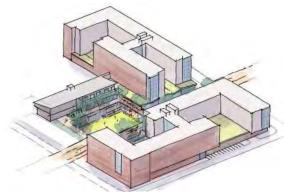






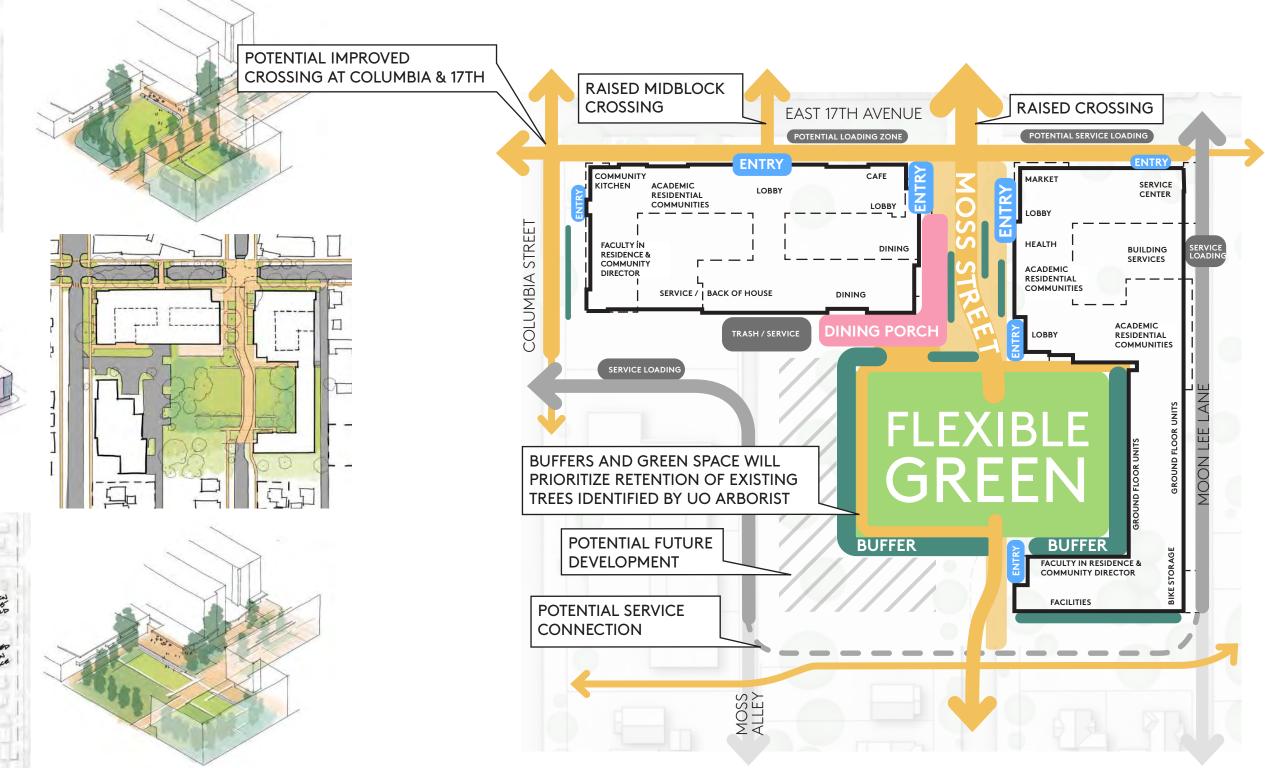
# THE FIRST PHASE OF IMPLEMENTATION







# SKETCH STUDIES



ROWELL BROKAW

# STREET SECTIONS



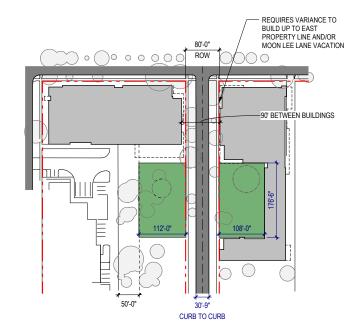
E. 17TH AVE STREET SECTION

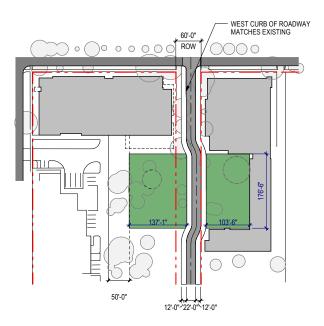
COLUMBIA STREET SECTION



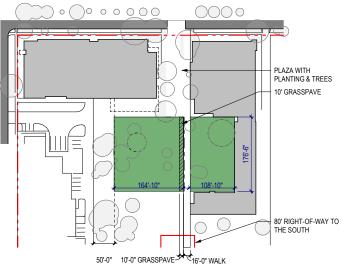








# MOSS STREET SECTION



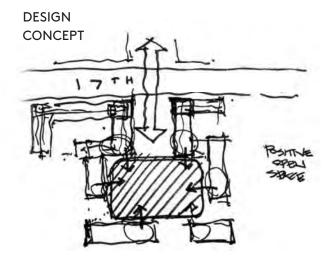
# **1. EXISTING ROADWAY**

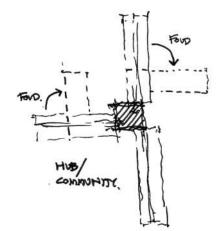
# 2. REDUCED RIGHT-OF-WAY & EAST SIDEWALK EASEMENT

# **3. FULL STREET VACATION**



# FIRST PHASE OF IMPLEMENTATION



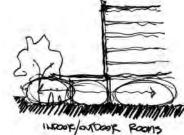








GENTE TRANSTOON/





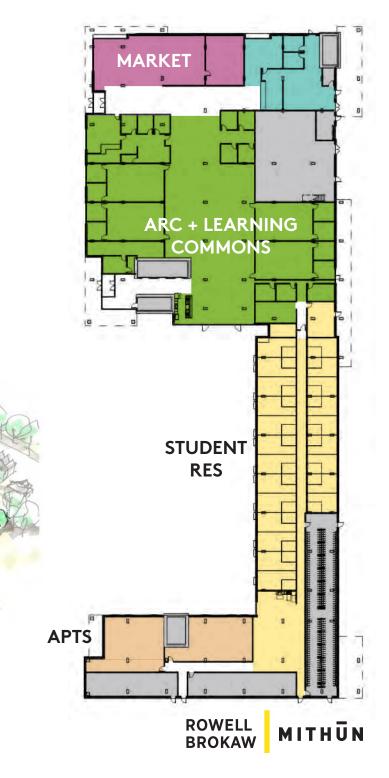
STUDENT DINING INSPIRATION

BUILDING 1 ~804 BEDS PROPOSED OPENING FALL 2027





### BUILDING 2 ~815 BEDS PROPOSED OPENING FALL 2028









# 

UNIVERSITY OF OREGON / CAMPUS PLANNING COMMITTEE / OCTOBER 1, 2024



мітним

# EAST CAMPUS PLAN UPDATES: PRESERVE THE NEIGHBORHOOD & SUPPORT THE NEXT CAMPUS GENERATION

The East Campus Area Plan is a University of Oregon document that provides guidelines and policies for future development in the East Campus Area. This area comprises approximately 43 acres of Universityowned properties between Agate Street, Villard Street, 15th Avenue, and 19th Avenue. These properties include institutional structures, student housing units, and designated open spaces. The Plan is a Subject Plan supplemental to the University of Oregon Campus Plan. Subject Plans detail site-specific guidance for development based on the campus-wide design principles described in the Campus Plan. The University of Oregon is updating the Plan to accommodate current and projected needs for student housing and institutional uses, align with current land use codes, and maintain a gradual transition between the university campus and the surrounding residential neighborhood.

LEGEND







PRIVATELY OWNED PROPERTIES WITHIN CAMPUS BOUNDARY

PROPOSED ZONE CHANGE (REMOVE /EC OVERLAY)

PROPOSED ALLEY VACATION (TRANSITION)



2 AMEND /EC EAST CAMPUS OVERLAY ZONE (CODE AMENDMENT)



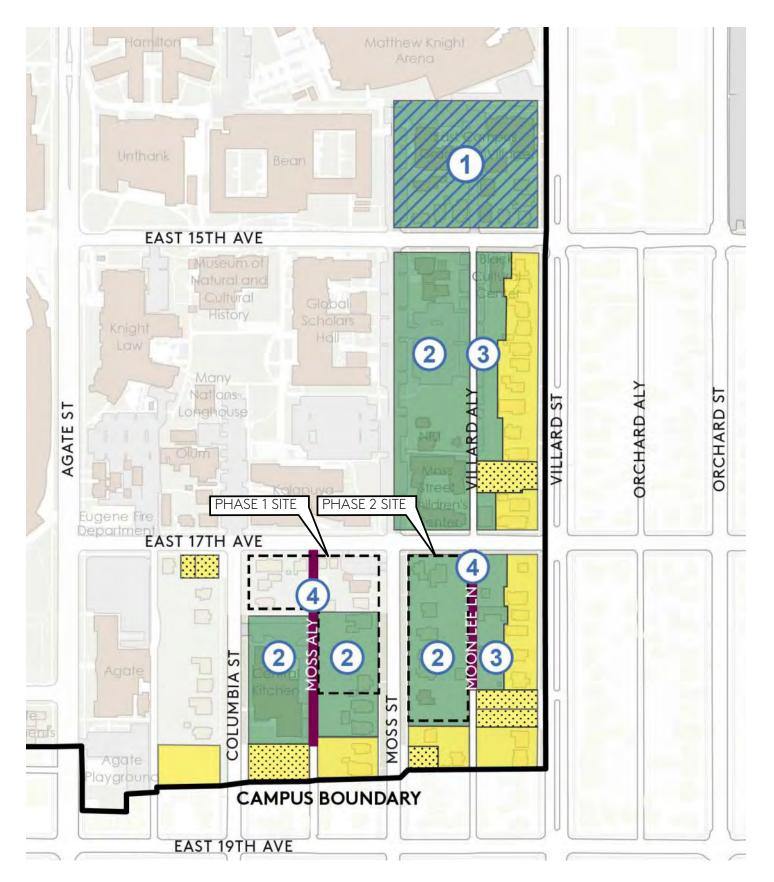
MAINTAIN A RESIDENTIAL TRANSITION FROM UNIVERSITY TO RESIDENTIAL (REFINEMENT PLAN AMENDMENT, CODE AMENDMENT)

500

TRANSITION CONTROL AND RESPONSIBILITY TO UO (ALLEY VACATION)



250







ROWELL BROKAW

мітнūм

# POSSIBLE LONGTERM TRANSPORTATION IMPROVEMENTS



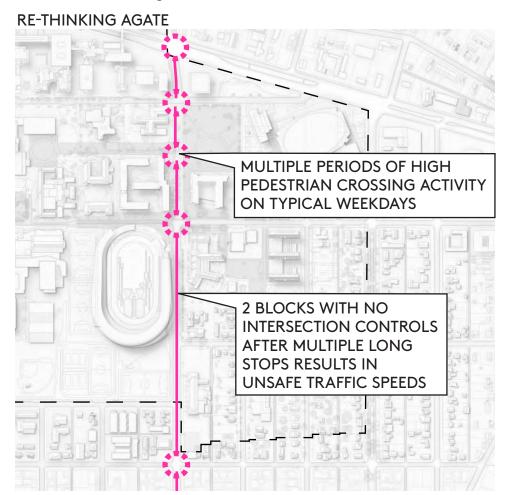
Pinchpoint



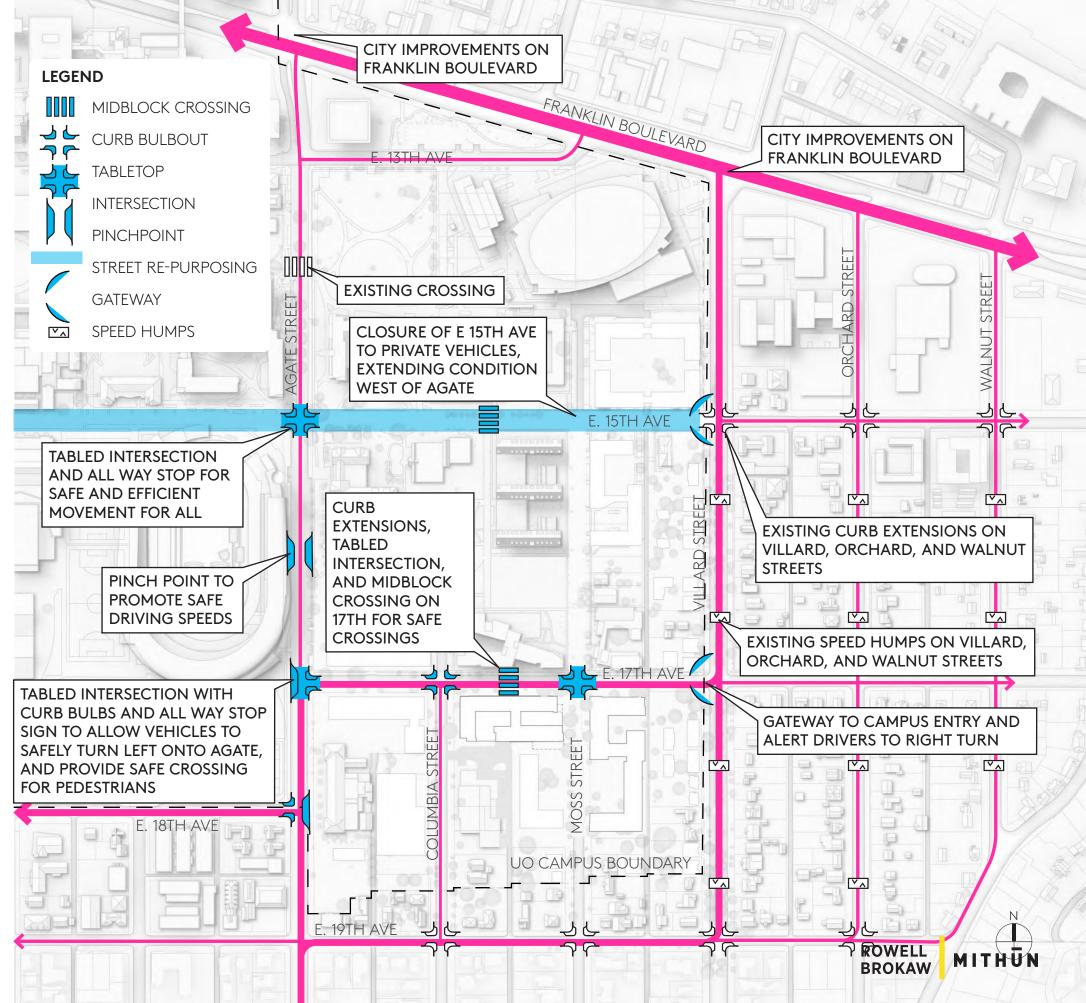
Raised midblock crossing



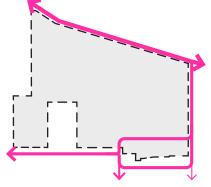
Curb extension or bulbout



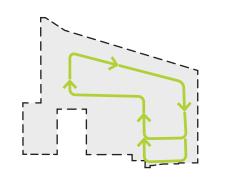
UNIVERSITY OF OREGON / CAMPUS PLANNING COMMITTEE / OCTOBER 1, 2024



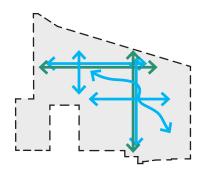
# **IMPLEMENTING A STRONG NETWORK**



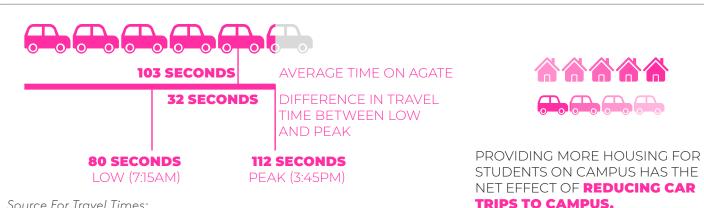
"COMPLETE STREET" IMPROVEMENTS ALLOW EFFICIENT VEHICULAR MOVEMENT ALONG THE EDGE OF CAMPUS WHILE SHAPING PLEASANT **NEIGHBORHOOD STREETS** 



SERVICE ROUTES PRIMARILY **OPERATE WITHIN CAMPUS** INTERIOR



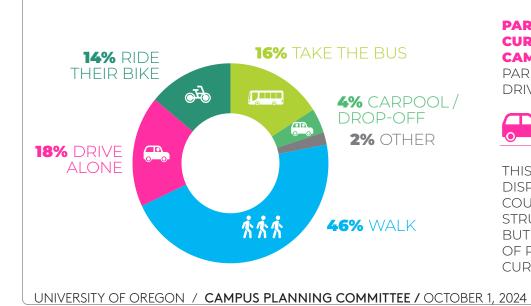
PEDESTRIANS AND BIKES PRIORITIZED WITHIN CAMPUS



Source For Travel Times:

Inrix Probe Data (Average of Northbound and Southbound between Franklin And E. 18th Ave, Jan/Feb 2024, Tues, Wed, Thurs 7am-7pm)

HOW DO STUDENTS COMMUTE ON / TO CAMPUS?



### WHAT ABOUT PARKING?

**PARKING IN THIS AREA IS CURRENTLY THE LAST ON CAMPUS TO SELL OUT.** MORE PARKING WOULD MEAN MORE DRIVERS AND CONGESTION.



THIS PLAN CONSIDERS HOW DISPLACED SURFACE PARKING COULD BE REPLACED VIA STRUCTURED OR SURFACE PARKING, BUT DISCOURAGES THE ADDITION OF PARKING STALLS BEYOND WHAT CURRENTLY EXISTS.

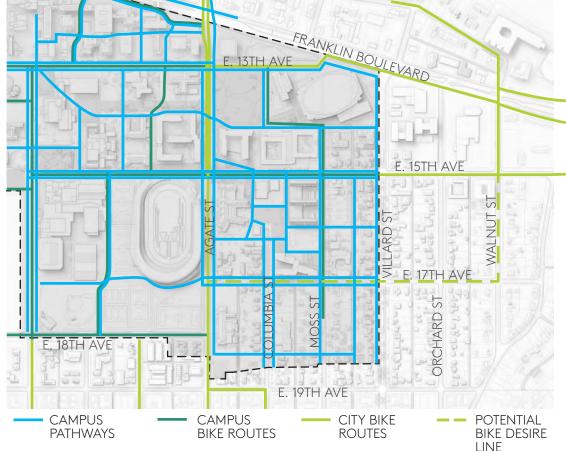
PROVIDING SAFE AND APPEALING ALTERNATIVE CROSSINGS **REDUCES THE** 

**VOLUME** OF PEDESTRIANS **CROSSING AT 15TH** & AGATE.

ネネネ

INTERSECTION IMPROVEMENTS INCLUDING ALL-WAY STOPS AND CURB EXTENSIONS SHORTEN THE CROSSING DISTANCE FOR PEDESTRIANS TO **REDUCE STOPPED** TIME FOR **VEHICLES** ኅዮ

### **PROPOSED PEDESTRIAN & BIKE NETWORK**



### PROPOSED VEHICULAR NETWORK

