

An aerial map of the University of Washington Tacoma campus. The map shows a grid of streets and building footprints. A large blue area represents a body of water, likely Commencement Bay, on the right side. A dashed black line outlines a specific rectangular area in the center of the campus, which is the focus of the report. The text is overlaid on the top left portion of the map.

2024 Urban Design Capstone Report

Students' vision for UW Tacoma campus

Matthew Chastain, Angelina Akinshev, Miguel Gomez-Lopez, Mason Hap, Aaliya Jones, Miryan Manjarrez-Hurtado, Brian Njoroge, Patrick Williams, Mohamed Yusuf, Peijie Zhai, Bára Šafářová

About the report

This report is a collection of works produced during the two-quarter long (22 weeks) undergraduate Urban Design Capstone course at the University of Washington Tacoma during the winter and spring quarters of 2024. Only works of students who successfully completed the capstone course were included in the report. The full list of students is in the Our Team section. The advising faculty was Bára Šafářová. The 2024 Urban Design Capstone Report was collated from individual students' reports and edited by Matthew Chastain under the supervision of Bára Šafářová. The report was made possible with the financial support of a Research Assistantship by the School of Urban Studies.

Except for the accompanying text (in gray boxes) that introduces each section and was written by the advising faculty, all text and works were produced, collated and edited by students.

Selected works presented in the report were produced either in group:

- Analyses of the site,
- Community engagement campaign
- Capstone Manifesto

or individually:

- Urban Design Proposals

Names of students who contributed are listed where possible.

CONTENTS

-  INTRODUCTION & BRIEF
-  OUR TEAM
-  COMMUNITY ENGAGEMENT
-  SITE AND CONTEXT ANALYSES
-  CAPSTONE MANIFESTO
-  URBAN DESIGN PROPOSALS

Students' vision for UW Tacoma campus

Introduction

During the 2023 - 2024 academic year, the University of Washington Tacoma (UW Tacoma) was undergoing a visioning process to prepare to update its outdated masterplan from 2008. The main goal of the revision was to prepare the campus for an increase in student population and for a shift from a commuter to a residential campus.

Capstone project - venue for ideas and conversations

The 2024 urban design capstone course was part of the pre-masterplanning activities that included town halls and awareness raising across campus. The University's administrative team provided invaluable context, information, and feedback during the urban design capstone. In addition to the university administrators and staff, local urban design and civil engineering firms offered workshops and feedback. This structure allowed students to get exposed to real-world challenges of urban design projects - budgets, regulatory context, and technical challenges - and in return, student ideas generated useful discussions about the upcoming masterplanning process.



Image courtesy of the University of Washington

Capstone structure & partners

Capstone structure

Students were tasked with creating their own urban design vision for the UWT campus that would align with the strategic goals of the University to become an inclusive part of the City of Tacoma and to deliver on the mission of an urban serving university campus. The capstone comprised several steps mimicking a real-world masterplanning process. They analyzed existing conditions, engaged other students to find out what's important to keep, what needs to change. Based on the findings, they formulated a capstone manifesto and each produced an urban design proposal for the campus.

Capstone partners

UW Tacoma Office of the Chancellor & Campus planning and development team

- Joe Lawless, Chief Strategy Officer
- Sylvia James, Vice Chancellor for Finance & Administration
- Ben Mauk, Director of Real Estate & Development, Finance & Administration

UW Tacoma School of Urban Studies advisory board

- Lauren Flemister, Deputy Director of Planning and Community Development; Pierce County

McGranahan Architects - architecture/urban design firm, Tacoma

- Dennis Adjetey, Urban designer, UWT Urban Design alumnus

Fehr & Peers - transportation planning firm, Tacoma

- Daniel Dye, Senior Transportation Engineer (PE)
- Jessica Brackin, Senior Transportation Engineer/Planner

AECOM Urbanism + Planning - urban design and infrastructure firm, Seattle

- Linda Abe, Urban Design Principal
- Tatum Lau, Urbanism and Planning Practice Senior Associate and Planner

Makers Architecture & Urban Design - architecture and urban design firm, Seattle

- Rachel Miller, Partner Urban Designer/Planner
- Queenie Gipaya, Community Planner/ Urban designer, UWT Urban Design alumna

Project briefs

Part 1: winter quarter tasks

- Develop and run a community engagement campaign with relevant stakeholders on campus.
- Analyze the context of UWT campus to understand how local urban systems hinder or support the achievement of UW Tacoma's own mission and vision, climate action, and equity goals.
- Develop an urban design framework for the site. The framework will build on community engagement findings, analyses, will address UW Tacoma's mission and vision, and will address climate action and equity goals.
- Draft a final report of works

Projects

The coursework was divided into four projects:

Project #1: Community engagement campaign

Project #2: Site analyses: assets, issues, opportunities

Project #3: Urban design framework

Project #4: Final report draft

Part 2: spring quarter tasks

- Revise the urban form analysis to incorporate feedback from winter quarter
- Revise the urban design framework to align with:
 - Feedback from professionals and partners
 - Capstone manifesto
 - A refined set of precedents and case studies
- Develop an urban design proposal
- Produce a package of visuals to communicate the project to partners and campus stakeholders
- Prepare an exhibition of the capstone project
- Produce a report of the whole urban design capstone course. We will collaborate with the university graphic design team and you will adhere to the graphic standards and requirements co-produced with the graphic design team.

The report will detail how the proposal addresses issues, opportunities identified on the site, how the proposal incorporates case studies, how it aligns with the capstone manifesto and how it advances the UW Tacoma strategic goals.

Projects

The coursework was divided into four projects:

- Project #1: Urban Form Analysis and Urban Design Framework revision
- Project #2: Design development
- Project #3: Visual communication
- Project #4: Final report & exhibition

OUR TEAM



**Bára
Šafářová**
-Instructor-



**Angelina
Akinshev**



**Miguel
Gomez-Lopez**



**Mason
Hap**



**Aaliya
Jones**



**Miryan
Manjarrez-Hurtado**



**Brian
Njoroge**



**Patrick
Williams**



**Mohamed
Yusuf**



**Peijie
Zhai**



**Matthew
Chastain**

THE TEAM AT WORK



Photos from class workshops - with Fehr & Peers in Tacoma and AECOM urban design in Seattle.

Community engagement

Project brief

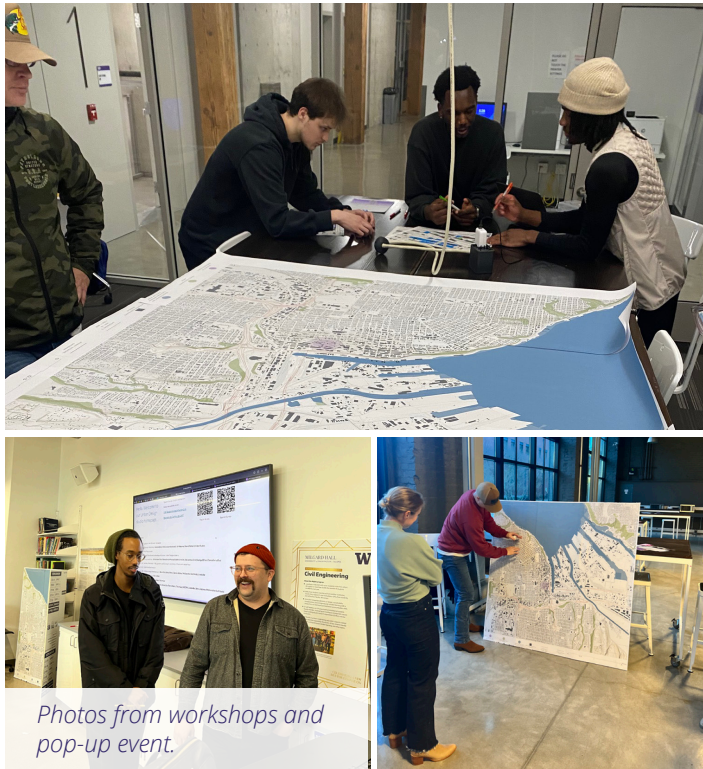
The task was to create a community engagement campaign to gauge ideas about the future identity and vision of the campus for the next 20 years. For the purposes of the capstone, the UW Tacoma community was defined as: students, staff, administration, and faculty. The goal was to collect ideas from the people who use the campus most to help shape its future. Students were asked to develop tools of engagement to get input about the present state of the campus (assets and issues) and future opportunities to adapt and grow the campus.

Three main questions to cover:

- What should stay? (assets to keep)
- What should change? (issues to address)
- What is missing? (opportunities and best practices to introduce)

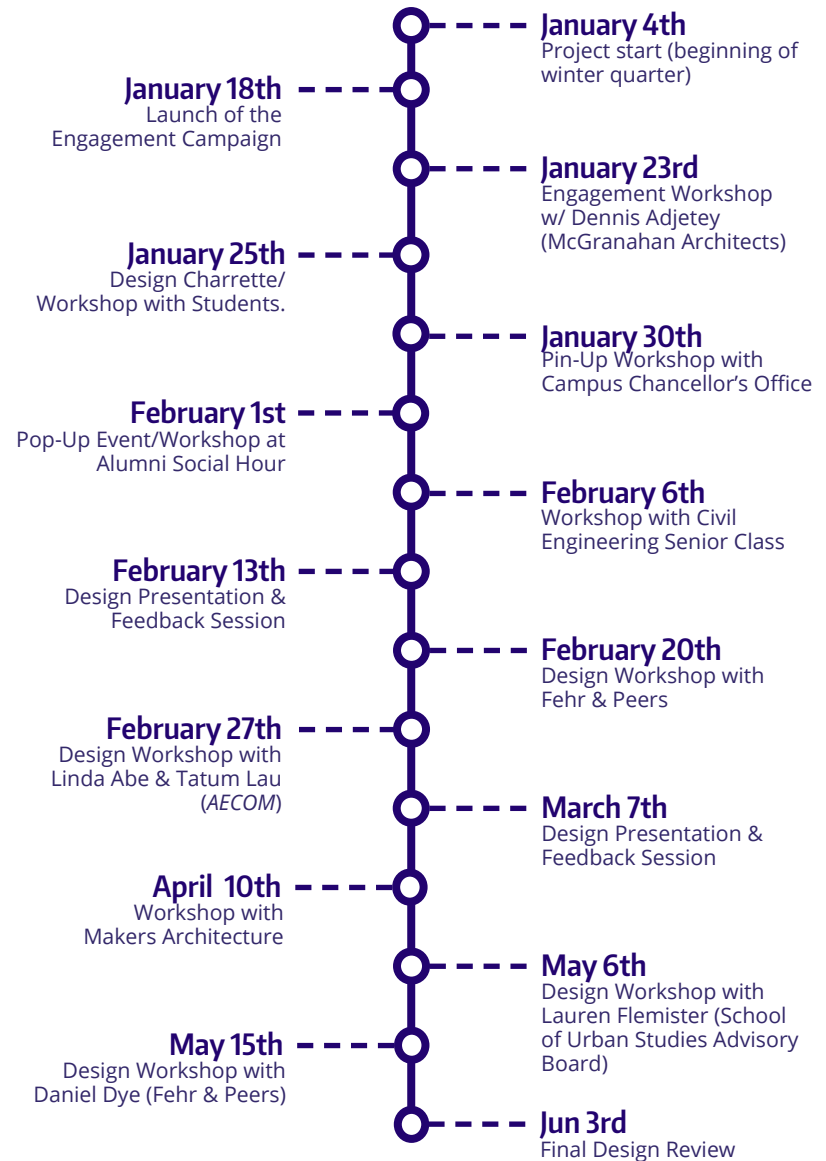
Community engagement & design process

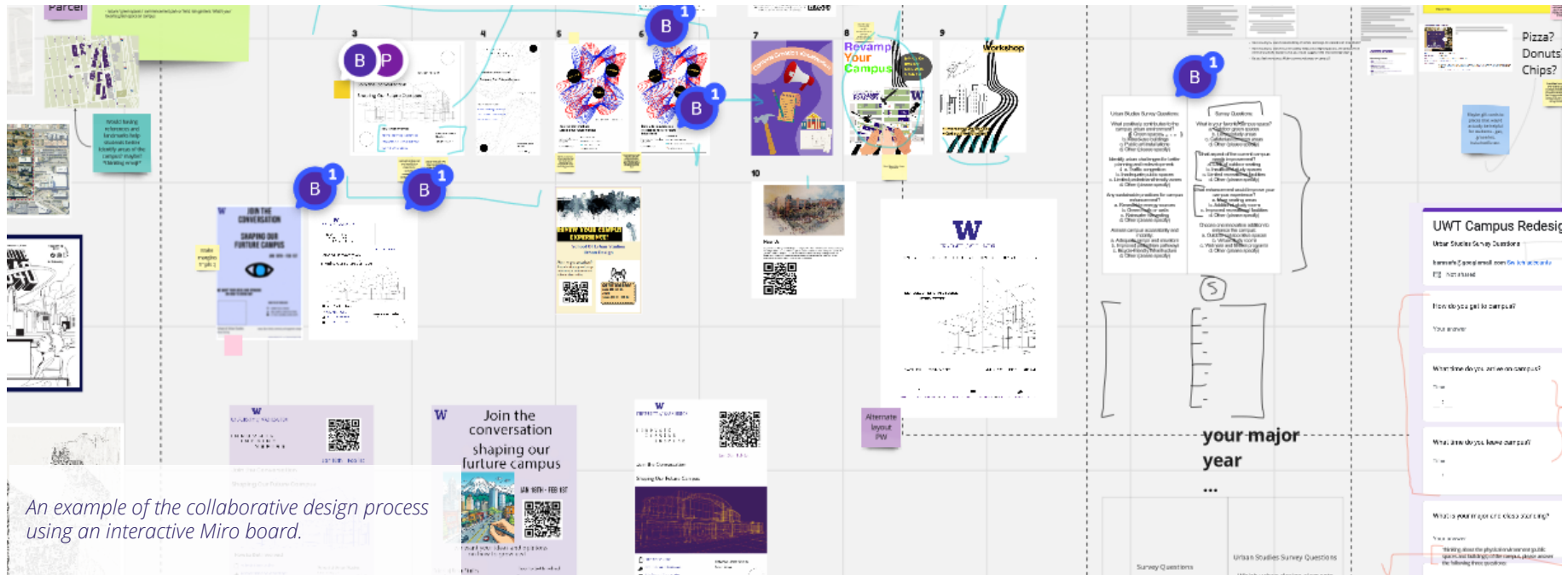
Beginning January 9th, and culminating in the campaign launch on January 18th, our team worked through many iterations of possible approaches to engaging those on campus as well as the surrounding community. After creating our initial website for the project, flyers were designed with links to both that site and a campus redesign survey and were dispersed around campus and to surrounding businesses. Working with limited time for our campaign, we held multiple workshops and design charrettes in tandem with our survey window in order to accumulate as much input as possible.



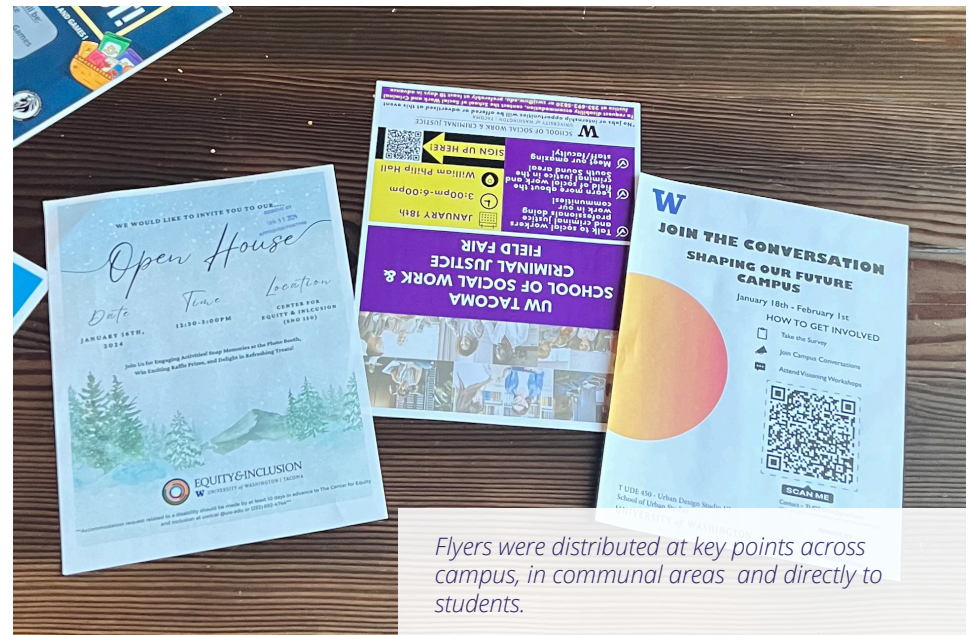
Photos from workshops and pop-up event.

Timeline





An example of the collaborative design process using an interactive Miro board.



Flyers were distributed at key points across campus, in communal areas and directly to students.

Findings

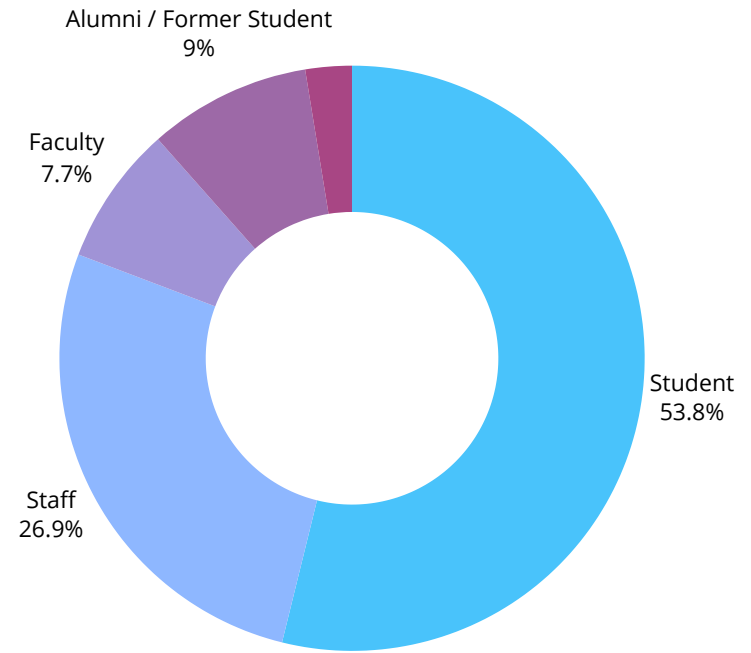
Summary of engagement

The community engagement campaign ran from January 18th until February 7th. Over 120 flyers were distributed around campus and to surrounding businesses. We had over 125 site visits and a total of 81 responses to our survey. Approximately 60-70 people joined our workshops, pop-ups, and design charettes, helping to create a bigger picture of what individuals wanted for the future of the campus.



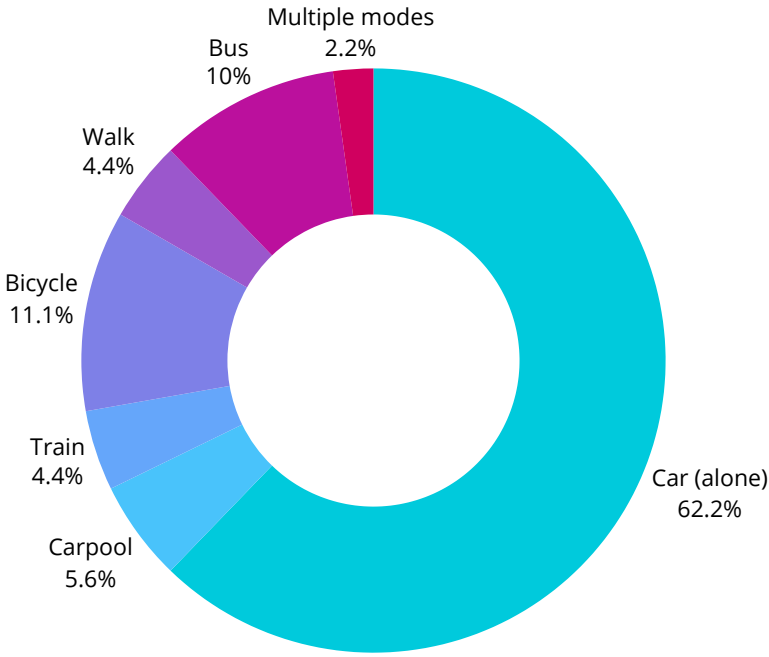
Photos from a design charette organized by students.

Survey respondents breakdown



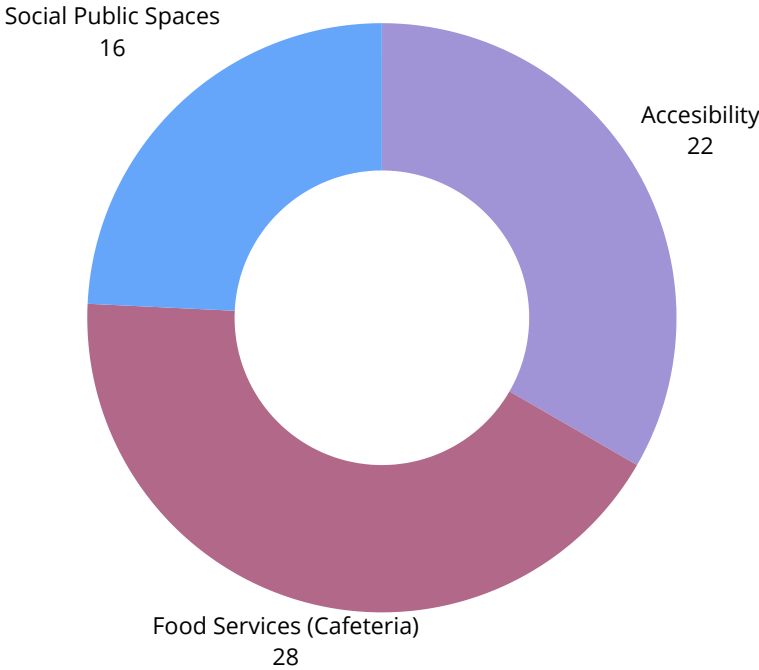
Transportation - major findings:

Avg. time spent on campus: 7.5hrs
Majority drive alone to campus: 62%



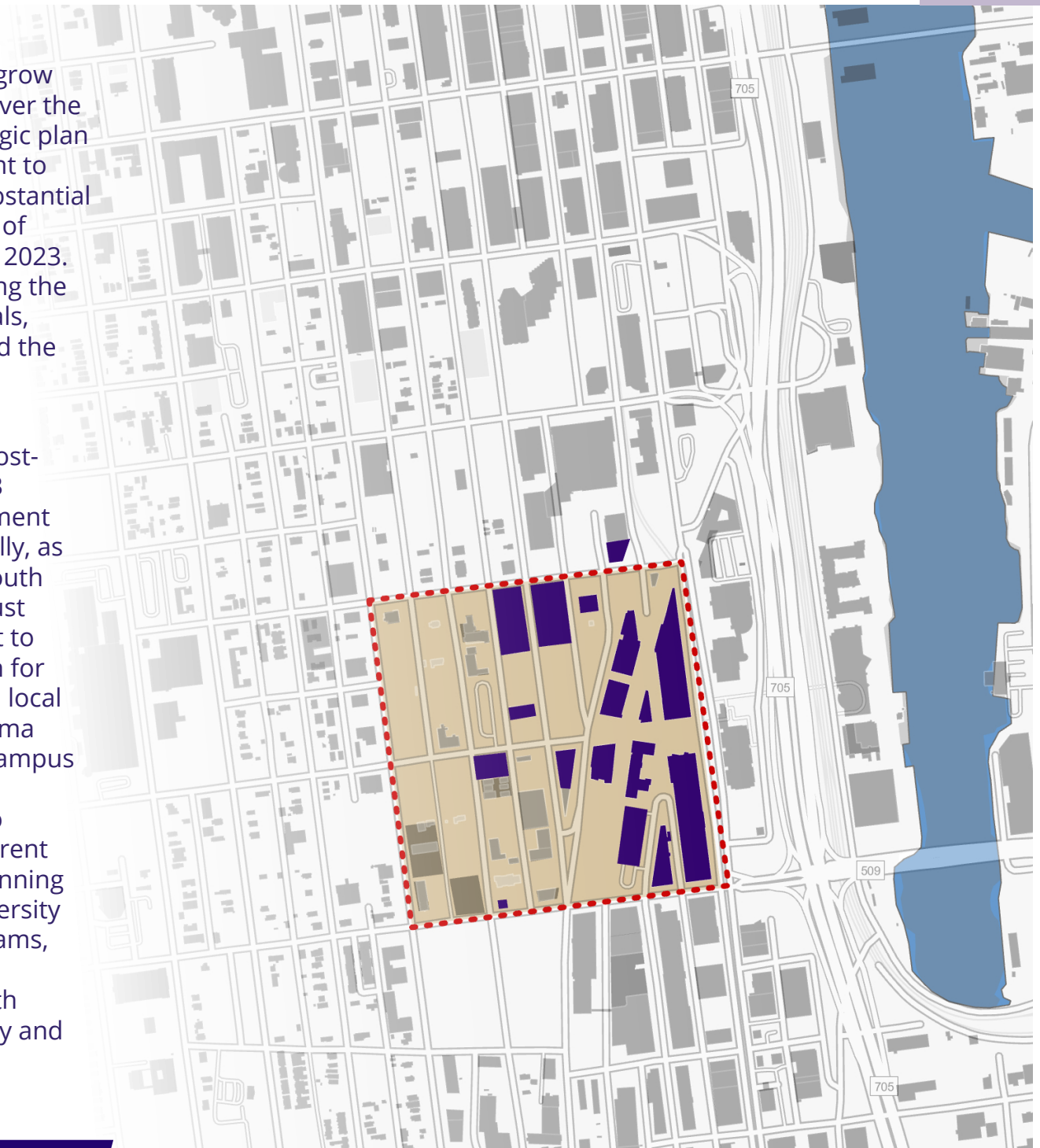
Campus overall - major findings:

- What isn't working?
- Social and shared spaces
 - Food options
 - Parking
 - Campus design and accessibility



UW Tacoma has ambitious plans to grow its student population significantly over the coming years. The university's strategic plan outlines a goal to increase enrollment to 10,000 students. This represents substantial growth from the current enrollment of 4,790 students across all levels as of 2023. To achieve this, UW Tacoma is seeking the help of outside groups and individuals, as well as those that work and attend the University.

However, this growth will face some challenges. UW Tacoma is still in a post-pandemic recovery phase, with 2023 marking a turning point after enrollment declines during COVID-19. Additionally, as an urban-serving university in the South Puget Sound region, UW Tacoma must balance growth with its commitment to providing access to higher education for diverse learners and partnering with local communities. The surrounding Tacoma area offers opportunities, with the campus integrated into the city's downtown. Expanding facilities and resources to accommodate nearly double the current student body will require careful planning and significant investment. The university will need to expand academic programs, student services, and its physical infrastructure to support such growth while maintaining educational quality and community connections.



The area around UW Tacoma is historically significant, originally inhabited by Native American tribal groups and later transformed by European settlers and the railroad, which established Tacoma as a commercial hub. This period saw the growth of a vibrant Japanese American community, marked by the Japanese Language School, crucial for cultural preservation until World War II, when internment policies dismantled the community.

Today, UW Tacoma integrates this history within its urban framework along the original path of the Prairie Line Trail. The area now boasts diverse demographics, including African American, Hispanic, and Asian communities, and has shifted from an industrial economy to one focused on education, healthcare, and technology.

Historical Locations

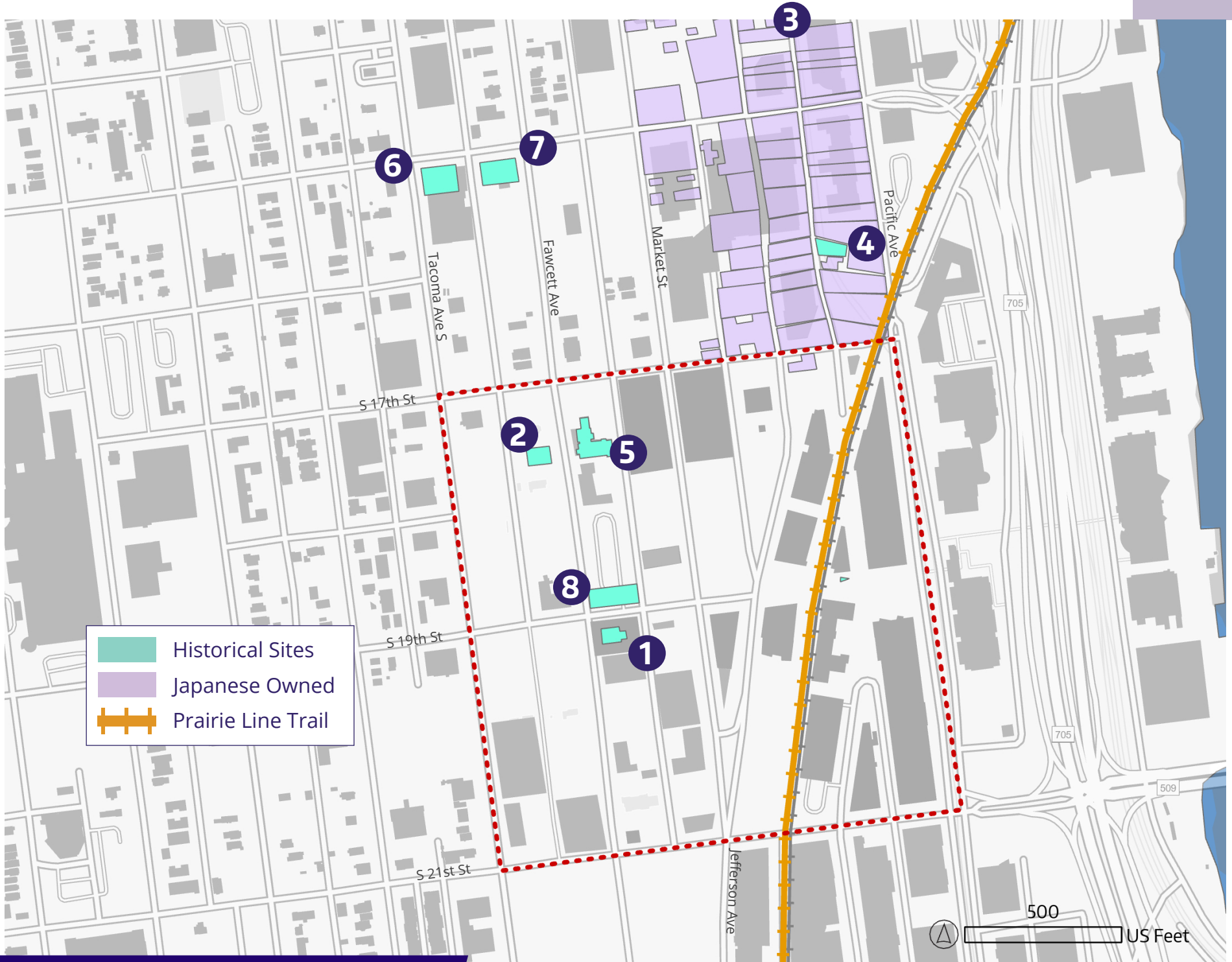
- 1 Whitney Memorial Methodist Church
- 2 Merilee Tanbara's Home
- 3 Ryo Munekata's Family Hotel
- 4 Joseph Kosai's Family Hotel (Berkeley Hotel)
- 5 Buddhist Temple (sole remaining Japanese-founded building functioning in its original capacity)
- 6 Shinto Shrine
- 7 Small Baptist Church
- 8 Japanese Language School

8



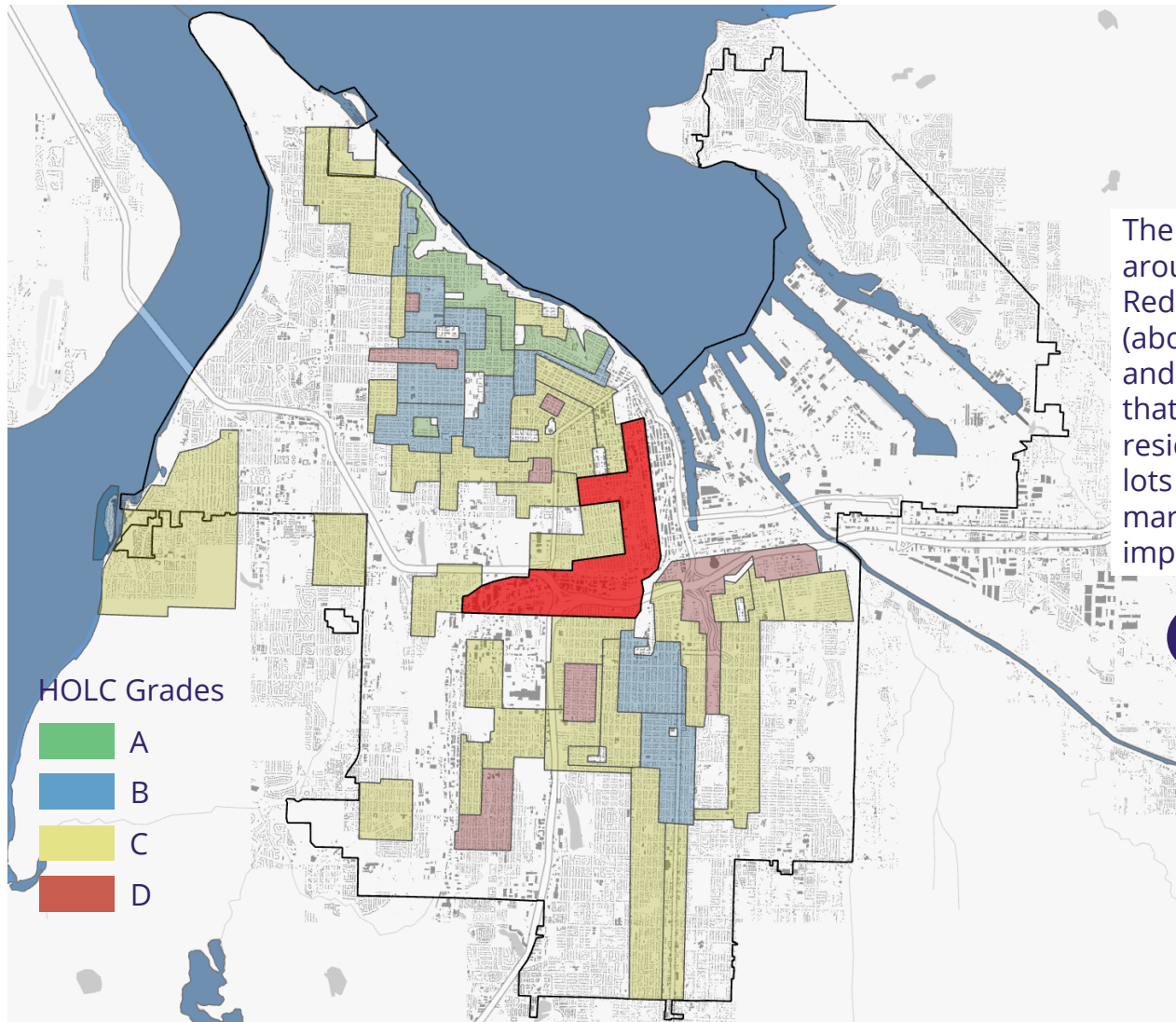
The Japanese Language School, known as Nihongo Gakko, was established in Tacoma, Washington, in 1912 to educate children of the Japanese community in language, culture, and customs, serving as both an educational institution and a social hub until its closure during World War II due to internment policies. Photo by M. D. Boland, Courtesy UW Special Collections (PPC116)

HISTORICAL LOCATIONS - MOHAMED



ANALYSIS FINDINGS

Redlining in Tacoma, WA, from the 1930s to 1960s, involved government-created maps designating minority neighborhoods as “hazardous” for mortgage lenders. This practice denied loans to residents based on race, particularly affecting Black and immigrant communities in areas like Hilltop and McKinley. The effects of this discrimination continue to impact these neighborhoods today, perpetuating economic and social inequalities.



Data courtesy of Mapping Inequality - <https://dsl.richmond.edu/panorama/redlining/>

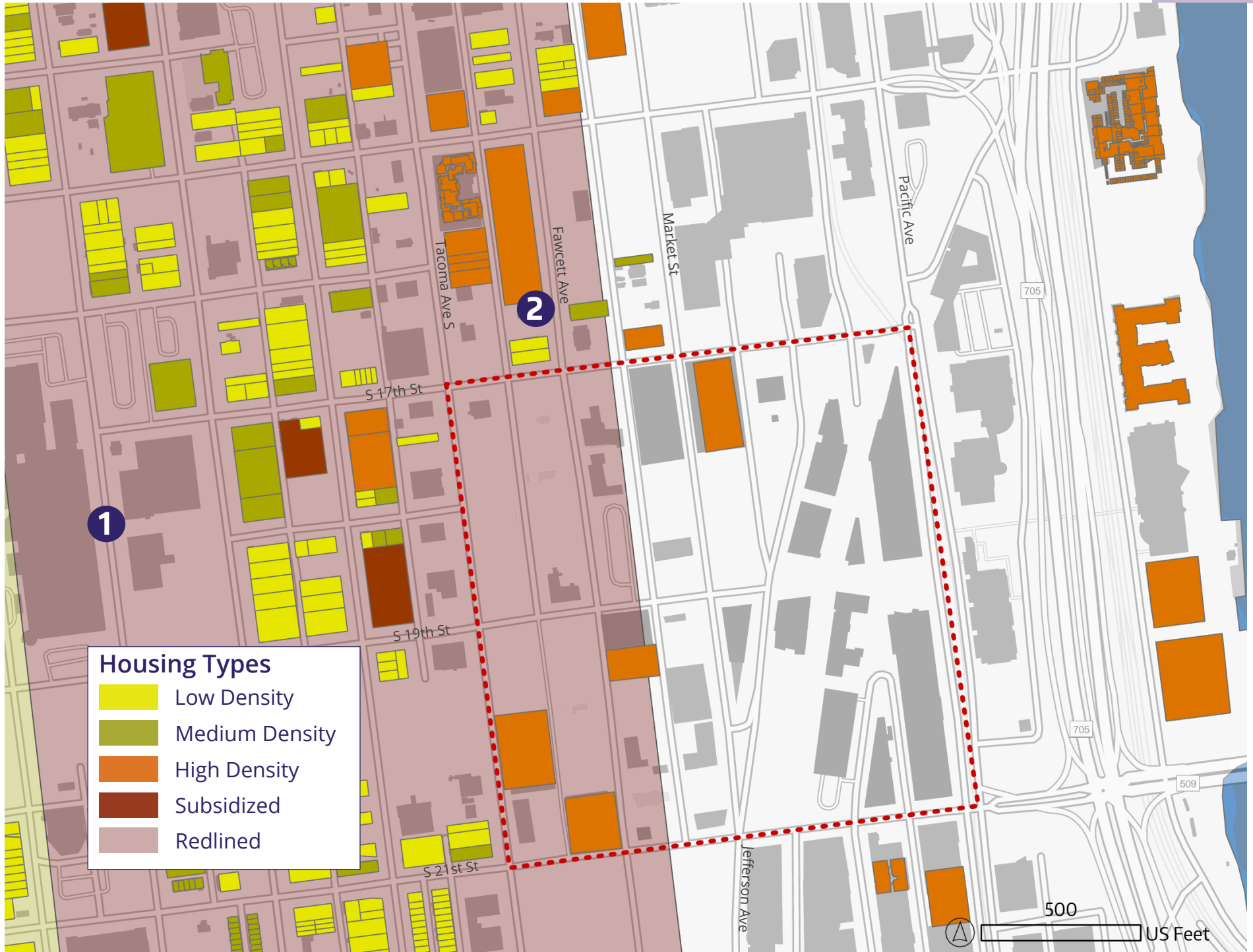


Photo courtesy of G. Goldberg + Associates

The aftereffects of redlining can be seen around the area. Although existing before Redlining occurred, St. Joseph hospital (above) proceeded to expand in the 60s and 70s into the surrounding community that had once been predominantly residential. More recently, single family lots are being redeveloped so that market-rate multifamily housing can be implemented (below).



Photo by Matthew Chastain



ANALYSIS FINDINGS

In the UW Tacoma area, the presence of impervious surfaces such as roads, parking lots, and buildings significantly affects water runoff, contributing to environmental challenges. These surfaces prevent rainwater from naturally infiltrating the soil, leading to increased stormwater runoff that can overwhelm local drainage systems and cause flooding. This is particularly concerning being on a slope where the runoff can carry pollutants, including oils, heavy metals, and sediments, into the Thea Foss waterway, degrading water quality and harming aquatic ecosystems. Measures are being taken to help mitigate this surface runoff through projects like the Jefferson and Hood Street surface water interceptors (right). These interceptors are designed to capture and redirect excess stormwater, which is particularly important in urban environments to help mitigate flood risk. Other mitigation methods like bioswales, rain gardens, and other catchment methods have also been implemented around campus, which reduce flood risk and filter pollutants. The Prairie Line Trail Regional Stormwater Treatment Facility¹ (below) is an example that was designed to filter water runoff from 42 acres of land.



Photo by Matthew Chastain

1. <https://www.wastormwatercenter.org/project/prairie-line-trail/>

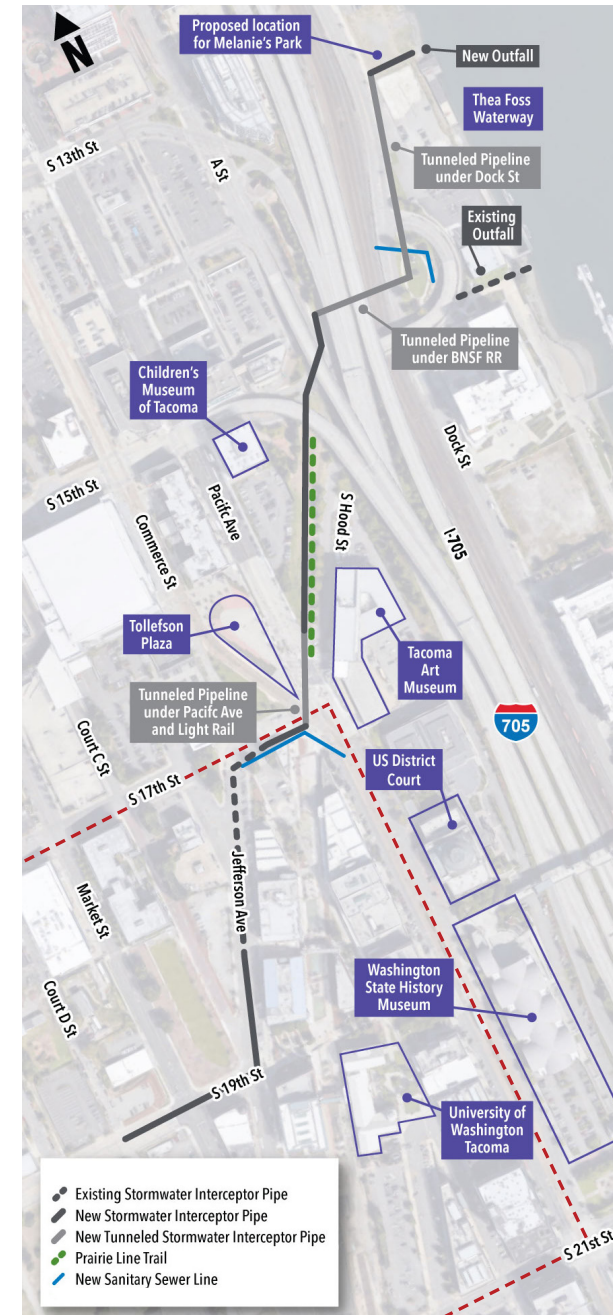
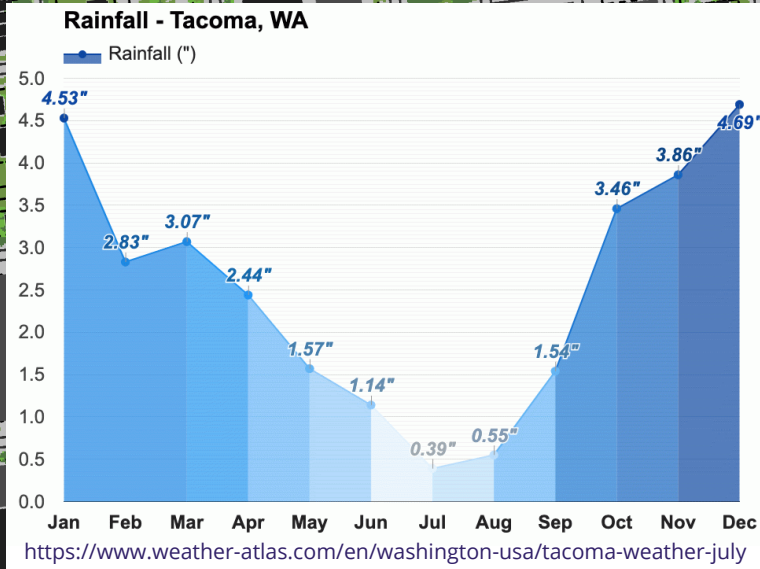


Image courtesy of the City of Tacoma



The area where the UW Tacoma campus is now located has a long history of industrial activity that led to significant environmental contamination. This part of south downtown was home to various commercial and industrial operations for much of the 20th century, including dry cleaning businesses, auto-repair shops, and manufacturing facilities.

As a result of these industrial activities, the soil and groundwater beneath the campus were contaminated with several hazardous chemicals. The pollutants include:

- Trichloroethylene (TCE)
- Tetrachloroethylene (PCE)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Diesel
- Gasoline

The contamination was discovered as the UWT campus was being built and expanded. Since the mid-1990s, university officials have spent approximately \$7 million investigating and cleaning up the site. In 1997, UW Tacoma signed a legal agreement with the Washington State Department of Ecology to begin the cleanup process.

While the underground contamination doesn't affect the drinking water supply and poses little immediate risk to human health, it remains a concern for potential environmental impacts. There are worries about the chemicals reaching the Foss Waterway and the possibility of harmful vapors rising through the soil.

Information and mapping data courtesy of the Department of Ecology:
<https://ecology.wa.gov/spills-cleanup/contamination-cleanup/cleanup-sites/uw-tacoma>

Contamination Sources

Vehicle Repair Shop

Gas Station

Upholstery Repair/Manufacturing

Dry Cleaner

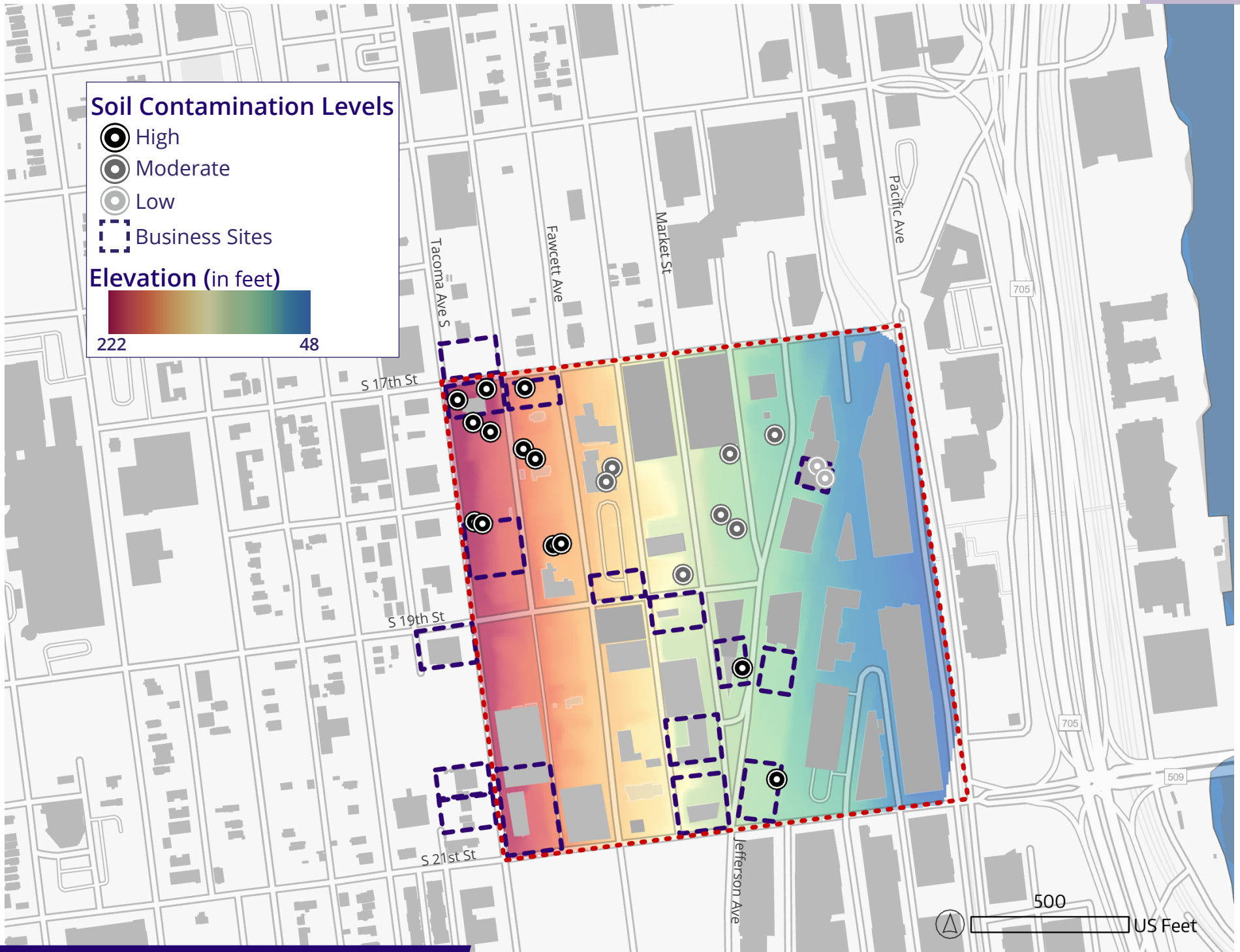
Metal Fabrication

Fuel Storage/Shipping

Printing Company



The intersection where the Prairie Line Trail crossed 19th Street looking South circa 1929. Photo courtesy of the the Jim Fredrickson Collection of the Pacific Northwest Railroad Archive.



ANALYSIS FINDINGS

The University, situated on a steep slope, presents unique accessibility challenges, particularly for east-west movement. Stairs and ADA-compliant ramps are the primary means of navigating the campus topography. While the existing buildings offer good ADA access, the campus's ongoing expansion necessitates a continued focus on accessibility.

The steep topography makes it crucial for UW Tacoma to prioritize ADA accessibility in future development plans, ensuring that all areas of the growing campus remain accessible to individuals with mobility limitations. The current ADA solution - the system of ramps (right) is compliant but, based on our analyses, takes approx. three times as long to travel. This might become a concern if the same solution is continued up the hill in future development.

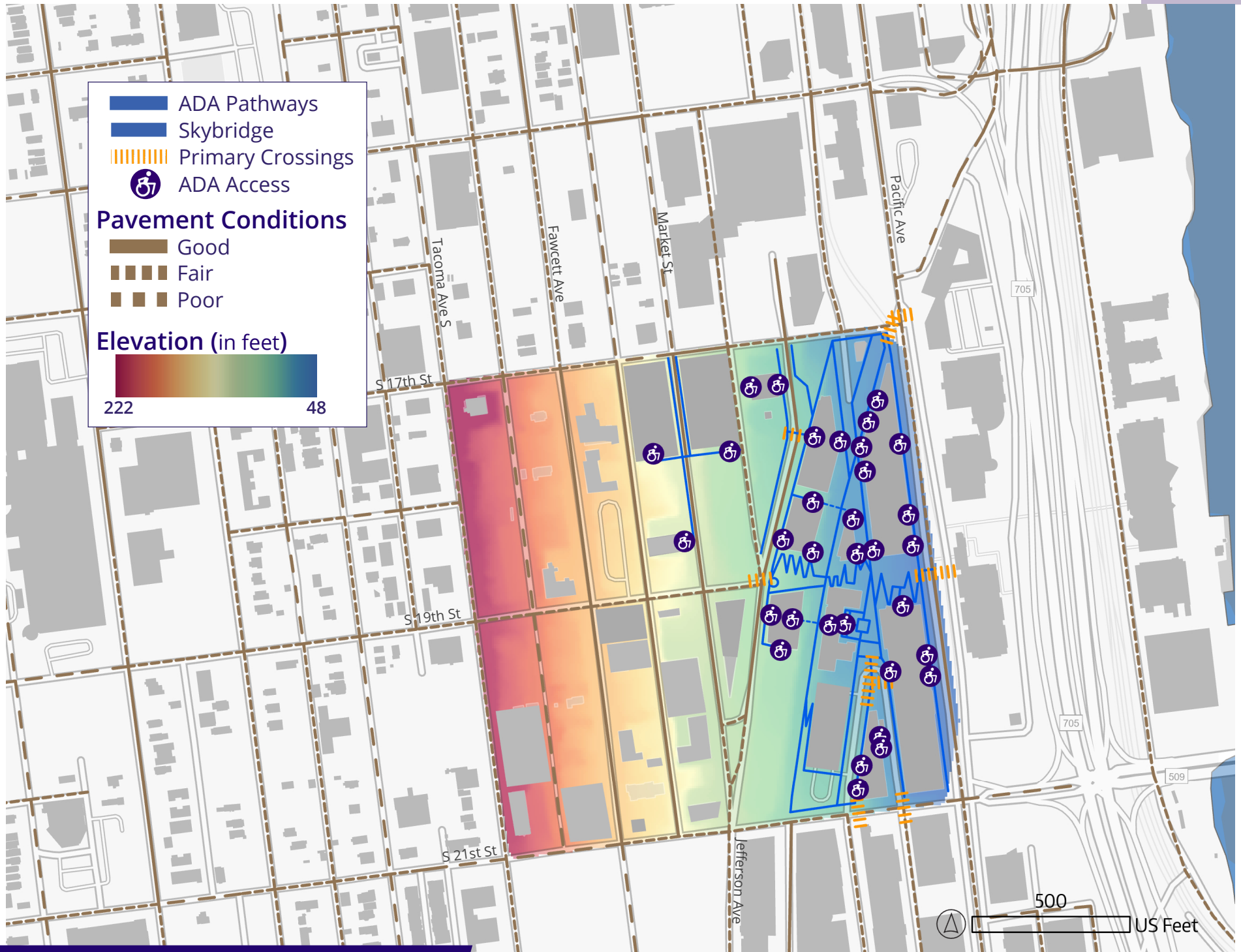
Additionally, the current state of pavement in areas slated for university expansion is often fair to poor, further complicating movement across campus for those with disabilities and mobility issues. As UW Tacoma continues to grow, addressing these infrastructure issues and maintaining a strong commitment to accessibility will be essential for creating an inclusive environment.



Time to walk up stairs (west): 00:01:55
Time to walk down stairs (east): 00:01:47
Photo by Mason Hap

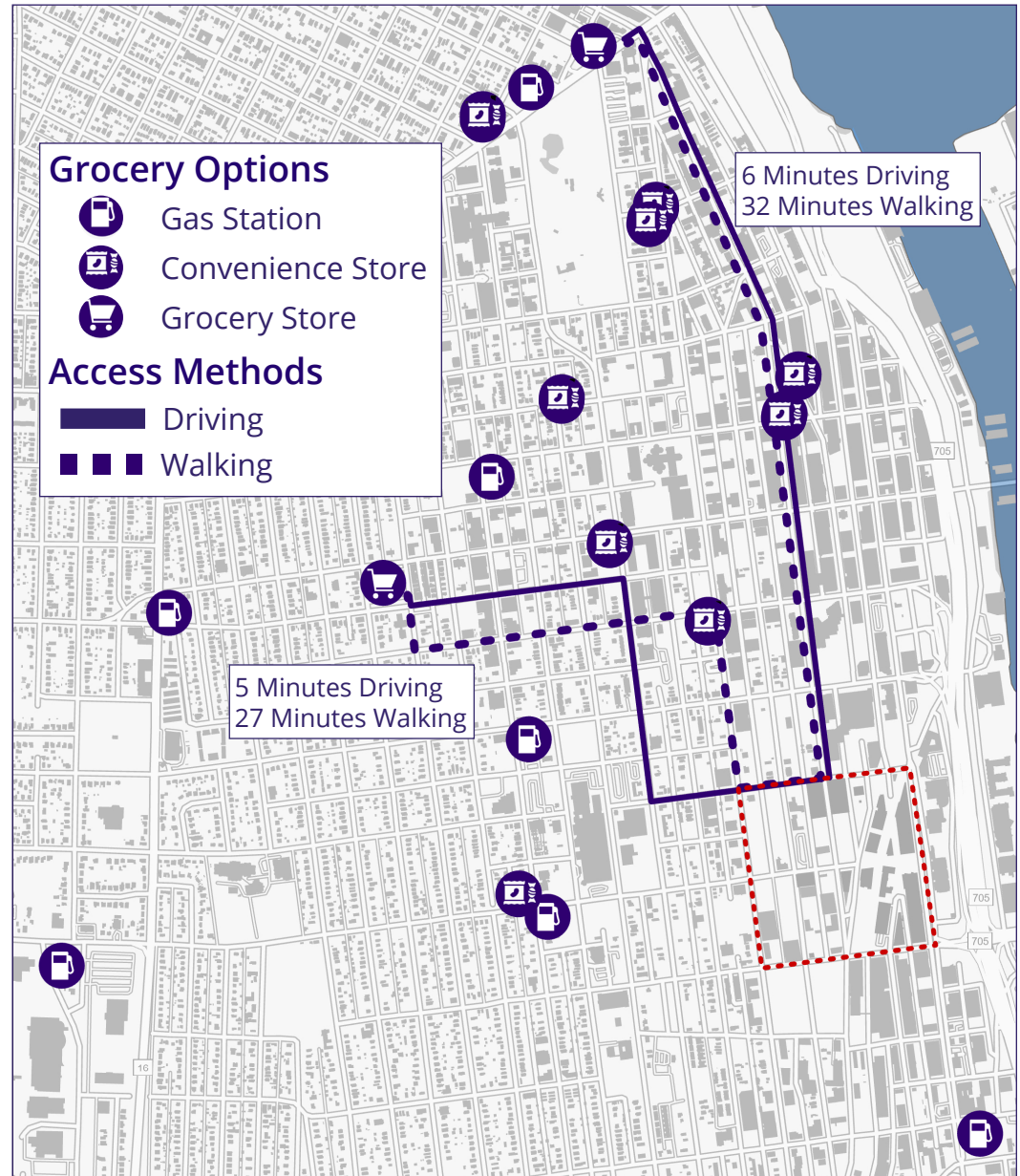


Time to walk up ramp (west): 00:05:40
Time to walk down ramp (east): 00:04:57
Photo by Mason Hap



Despite the presence of restaurants in the area, there is a noticeable scarcity of affordable and nutritious food choices on and around campus. This lack of healthy food options is particularly concerning given that 44% of UWT students experience food insecurity, which is 21% above the national average¹. The limited availability of nutritious food not only impacts students' health but also their academic performance and overall well-being. There are non-restaurant food options around campus, but the closest locations for fresh foods are two grocery stores, one north of campus and one to the northwest. Each is accessible by vehicle, but much more difficult to access by foot.

Additionally, the campus lacks a central focal point or hub where students and the surrounding community can gather. Although there are gathering spaces throughout campus, both inside and outdoors, the indoor spaces are not fully public and have limited hours of access unless you have a keycard. This inaccessibility to shared spaces, along with the absence of healthy and affordable food options, hinders the development of a strong campus community. This situation contributes to UWT's reputation as a "commuter" campus, where students primarily come for classes and leave immediately after, missing out on opportunities for social interaction and community building that often happen around shared meals and communal spaces.



1. <https://thetacomaledger.com/2024/05/20/associated-students-of-uwt-release-revealing-results-of-student-health-and-food-equity-surveys/>

1



Photo by Matthew Chastain

3

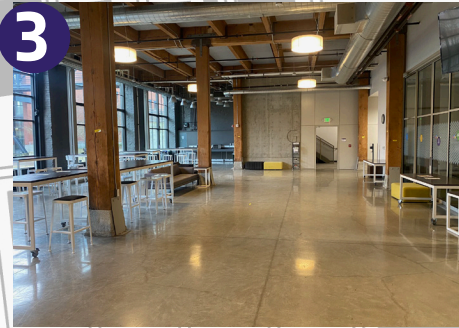


Photo by Matthew Chastain

2



Photo by Matthew Chastain

Outdoor Gathering Space

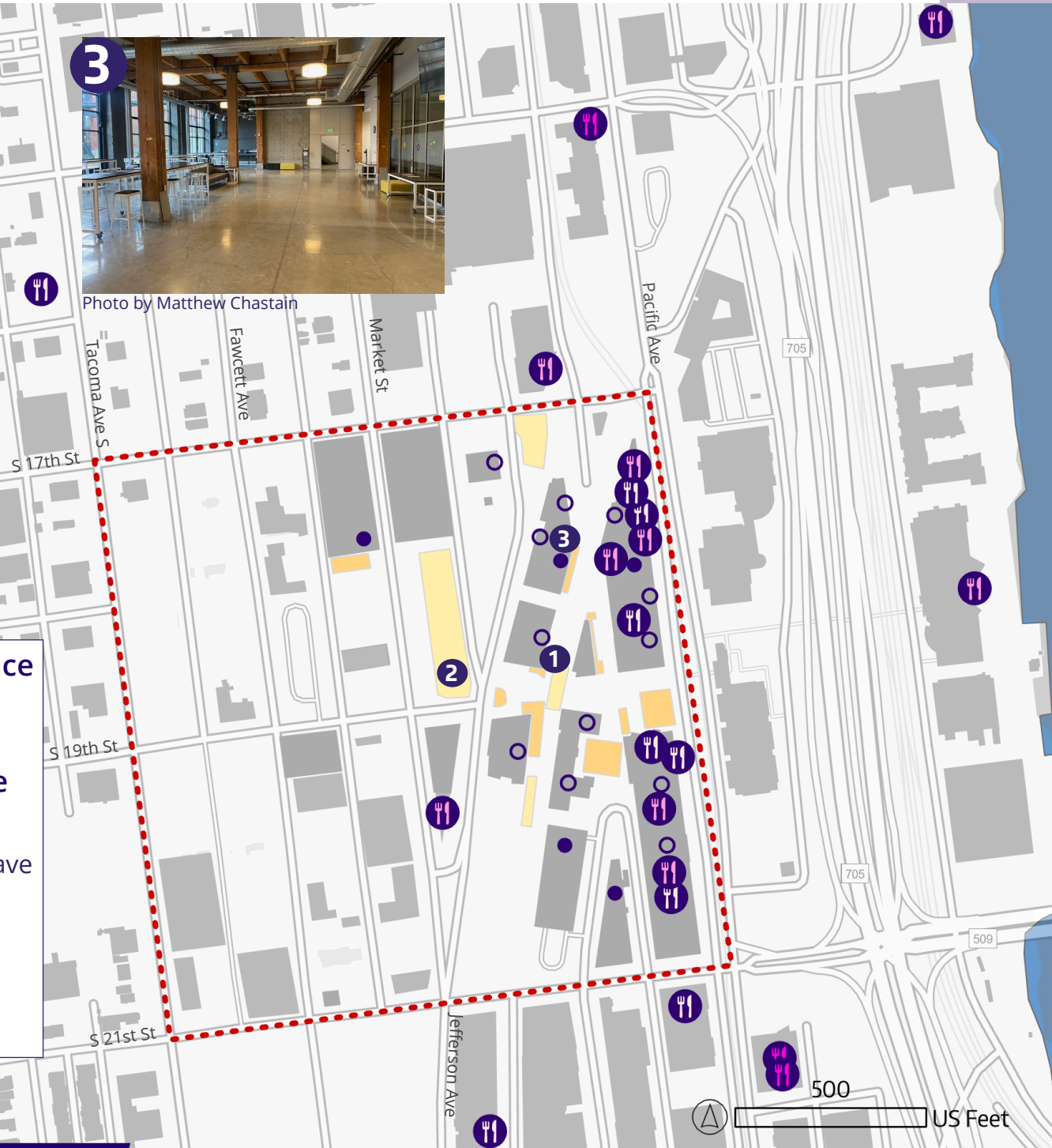
- With Seating
- Without Seating

Indoor Gathering Space

- Seating
- Seating & Microwave

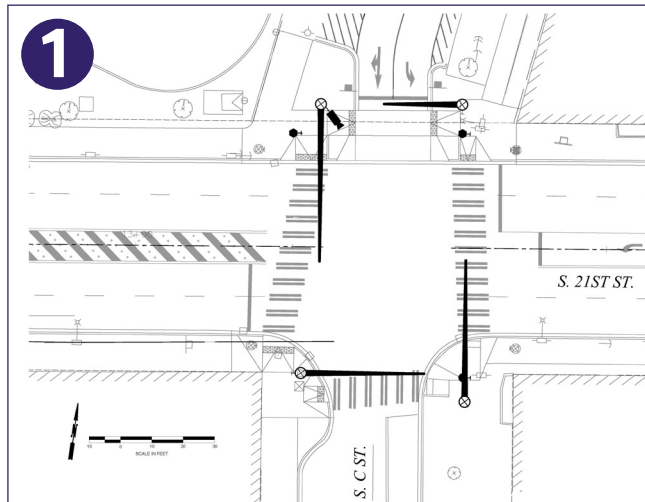
Restaurant Prices

- 🍴 Low
- 🍴 Medium
- 🍴 High



ANALYSIS FINDINGS

As UW Tacoma transitions from a commuter to a residential campus and grows in student population, planning for transit and active transportation will play a key role in future sustainability and pedestrian safety on and around campus. Efforts are underway to improve safety, such as the South 21st Street and C Street Signal Project to improve traffic flow and safety immediately adjacent to campus (1). Numerous bus routes and the Link Light Rail serve the campus, providing access to a major transit station to the south (3) and downtown to the north. Despite that, driving alone is the main mode of transport to and from the campus. The planned Sound Transit Light Rail extension from Seattle to Tacoma (projected for 2035) will significantly improve regional transit connectivity to the UW Tacoma campus, so planning for active transportation, such as biking, within Tacoma will become even more important. Biking infrastructure in the downtown area is insufficient. Fawcett Avenue which runs through campus has been improved with a shared bike lane, separated at intersections (2) and several bike lanes are proposed. Driving remains the primary mode of transport to and from campus, aligning campus transportation planning with the region's and city's plans is crucial to align the campus with UWT's goals.



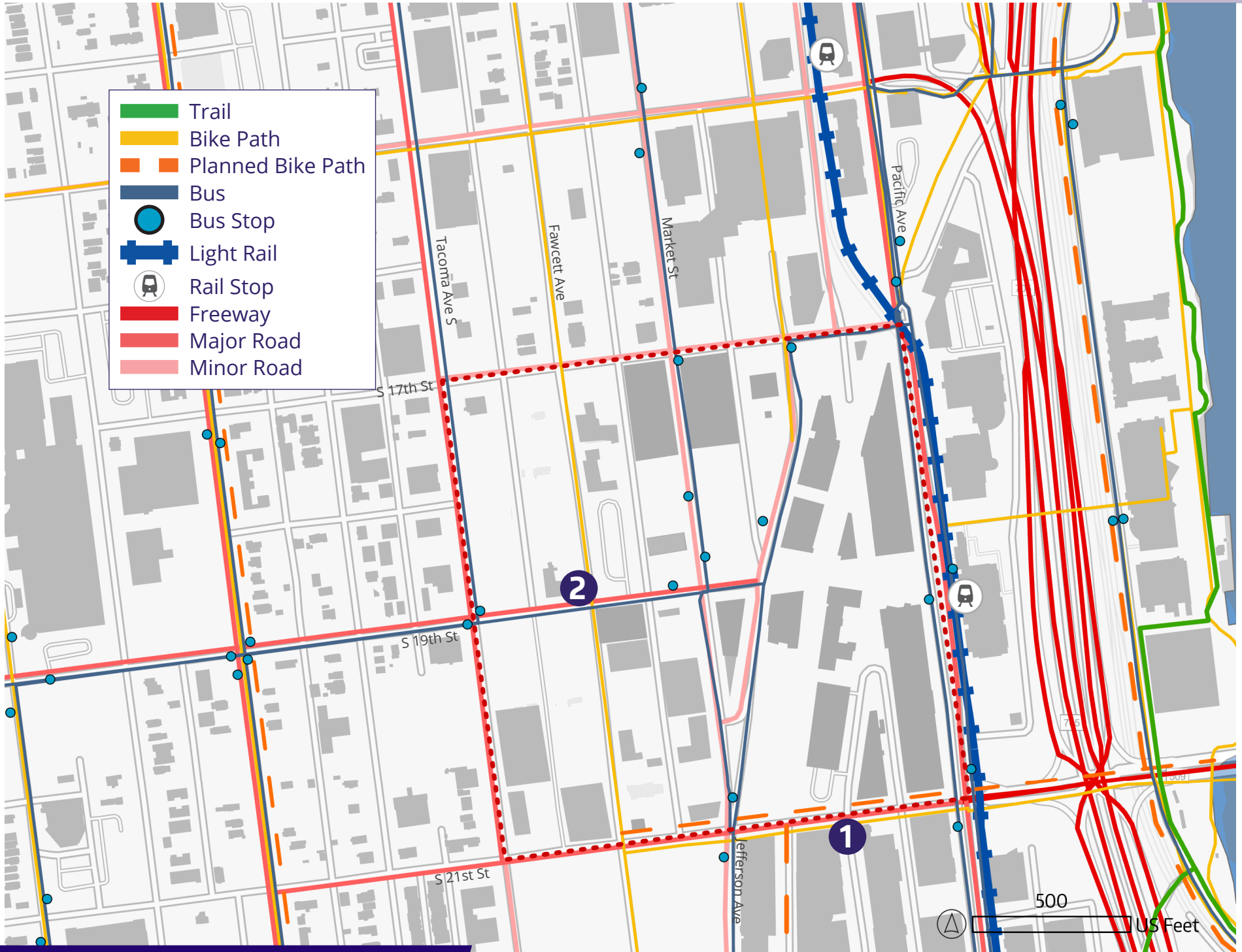
The proposed plan for the South 21st Street and C Street Signal Project can be seen to the right.

Plan set courtesy of the City of Tacoma: <https://cityoftacoma.org/capital-projects/21st-St-Signal>



Photo by Matthew Chastain





Capstone Manifesto

Based on information gained through our engagement campaign, the University's previous comprehensive plans, and analyses of the site, we determined six primary goals to guide our urban design proposals for the University of Washington Tacoma campus site.

- > ADA Access
- > Climate Action
- > Hub/Living Room
- > Pedestrian Forward
- > Community Equity & Commitment
- > Green Infrastructure & Green Public Spaces



Urban Design Approach

Design proposal focus: **activate neglected spaces, increase food access, incorporate mixed-use development** and **pedestrianize portions of campus.**

It is important to preserve the history of the campus and area, therefore it is ideal to restore existing structures and maximize their efficiency by making them mixed-use. To support the growth of the campus, it will be essential to increase student housing and amenities such as food and grocery stores as well as incorporating local shops and retail to attract and appreciate the surrounding community. It is to incorporate more people-focused spaces for students and the community to spend their time. These can be both indoor and outdoor in the form of a central hub that includes a cafeteria and lounge.






Additionally, pedestrian activation of the campus is essential for visitors to feel safe and comfortable navigating the campus. Continuing, closing Jefferson Ave, Market St, and S 19th St from the 'W' to Fawcett Ave to outside vehicles will lessen the amount of dangerous vehicles interacting with pedestrians.



Proposed Site Plan



Legend

-  Existing academic buildings
-  Existing non-academic buildings
-  Existing and proposed roads
-  Proposed buildings
-  Proposed green space

Precedents - for illustration of proposed spaces:



1 AIDS Memorial Pathway, Seattle, WA

- Pedestrian plaza
- Limited vehicle access
- Urban area

Photo: Angelina Akinshev



2 Seattle University, Seattle, WA

- Urban environment
- Sloped topography
- Pedestrianized roadways

Photo: Seattle University



3 University of Puget Sound, Tacoma, WA

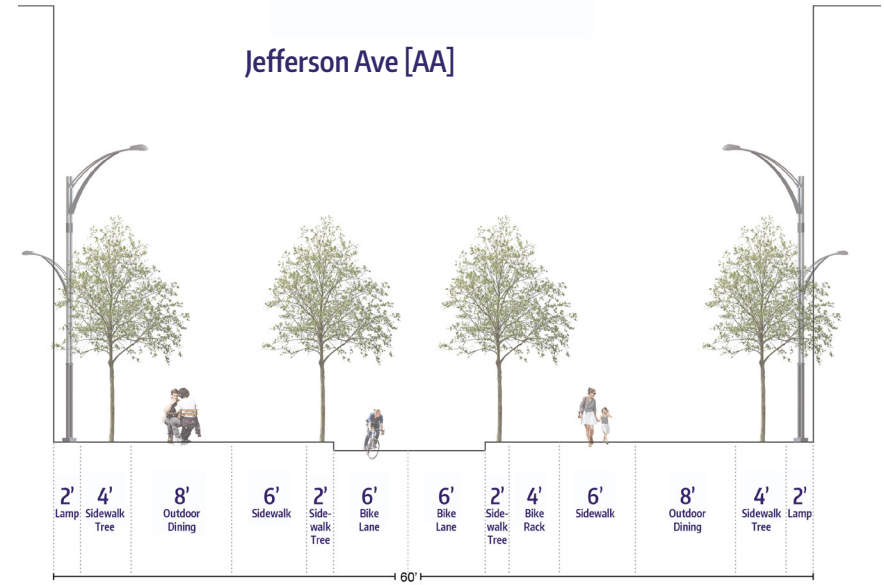
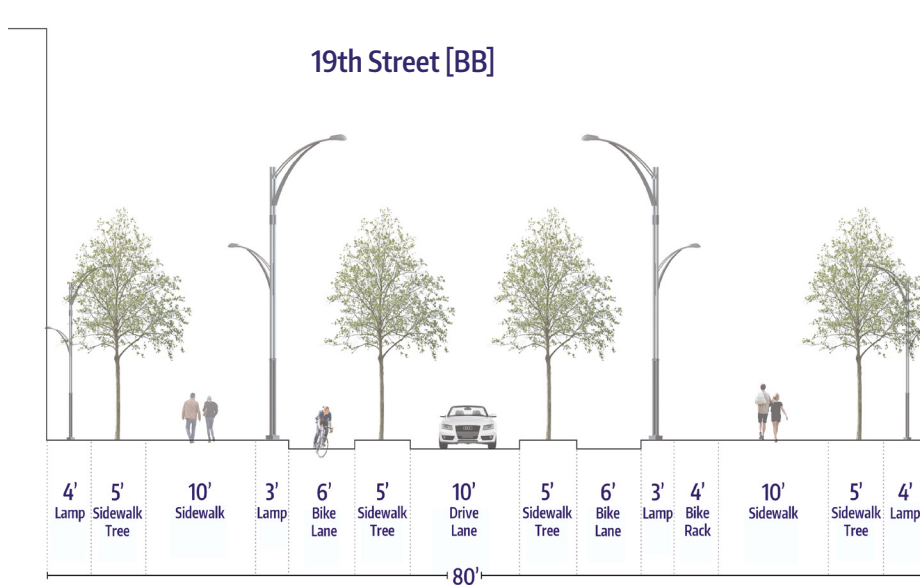
- Outdoor recreation areas
- Pedestrianized roadways

Photo: University of Puget Sound

Street Sections & Rendered Street View



19th street and main quad [street view C]



Rendered Overhead View





Urban Design Approach






Design proposal focus: **pedestrian paths/ADA access, public spaces, campus living room, and green spaces & bioswales.**

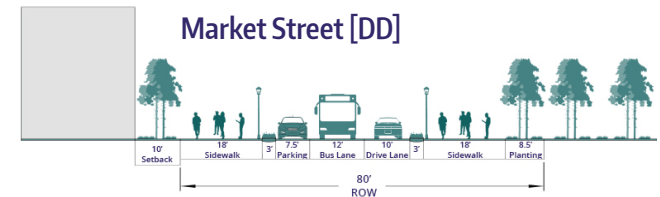
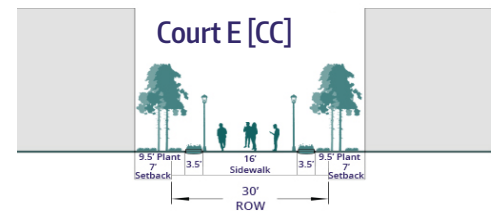
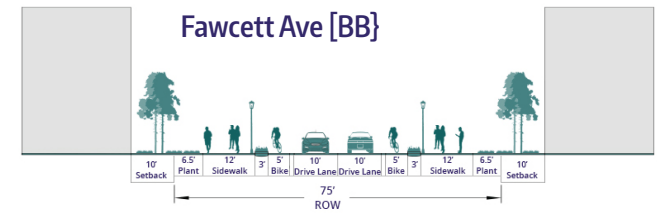
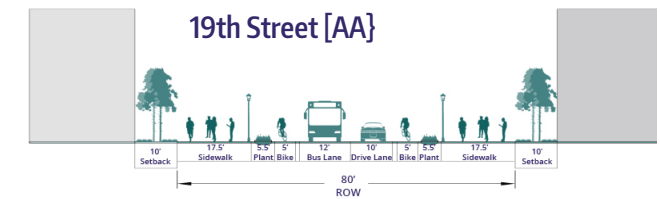
New green areas will be created on both sides of 19th Street. The green areas will establish a connection with the existing central gardens located on the existing side of the campus. These areas will help with Green Infrastructure, Green Public Spaces, and Climate Action goals. A green area will run next to the garden on the Southern side of the campus. The green areas will connect Tacoma Avenue to Jefferson Avenue. Two green corridors are being considered to establish new pedestrian routes—one green corridor on the North and another on the South of the new campus area. These corridors will help with the goals of Pedestrian Forward and ADA access. A commercial area will be next to Tacoma Street, similar to the existing campus that borders Pacific Avenue. Two plazas will be located on the campus’s living room. The commercial areas and plazas will create employment and help achieve the goal of Community Equity and commitment.



Proposed Site Plan & Street Sections

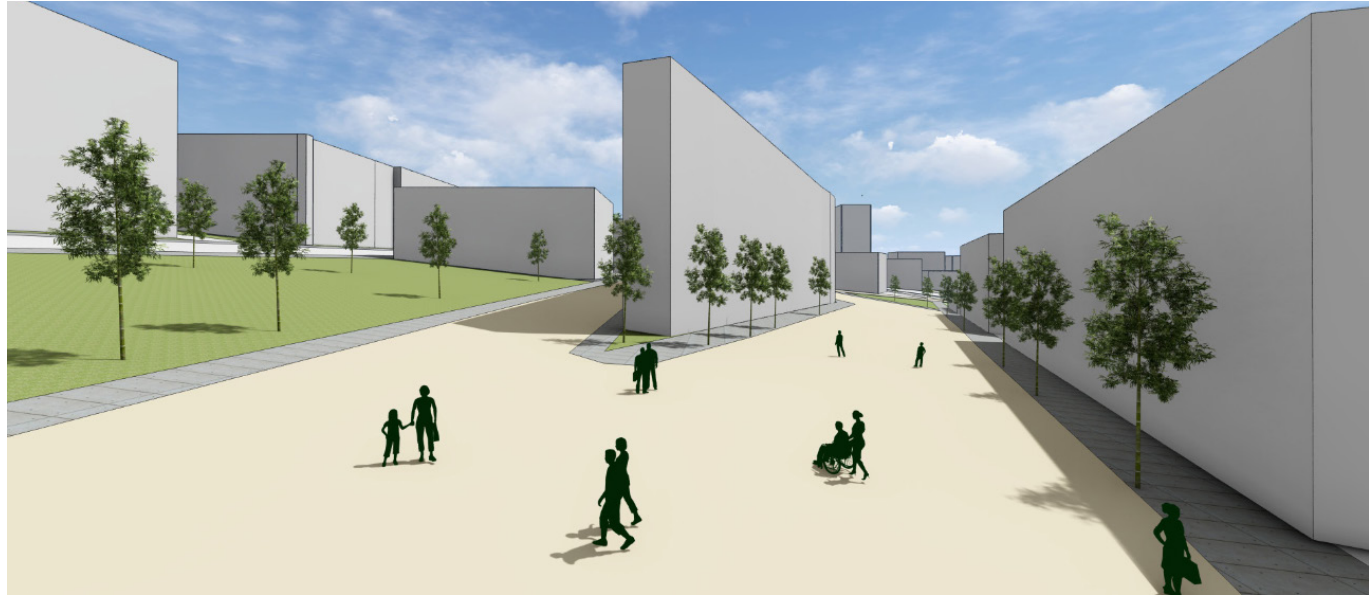
Legend

-  Existing buildings
-  Proposed buildable areas
-  Existing and proposed roads
-  Proposed pedestrianized area
-  Proposed green spaces

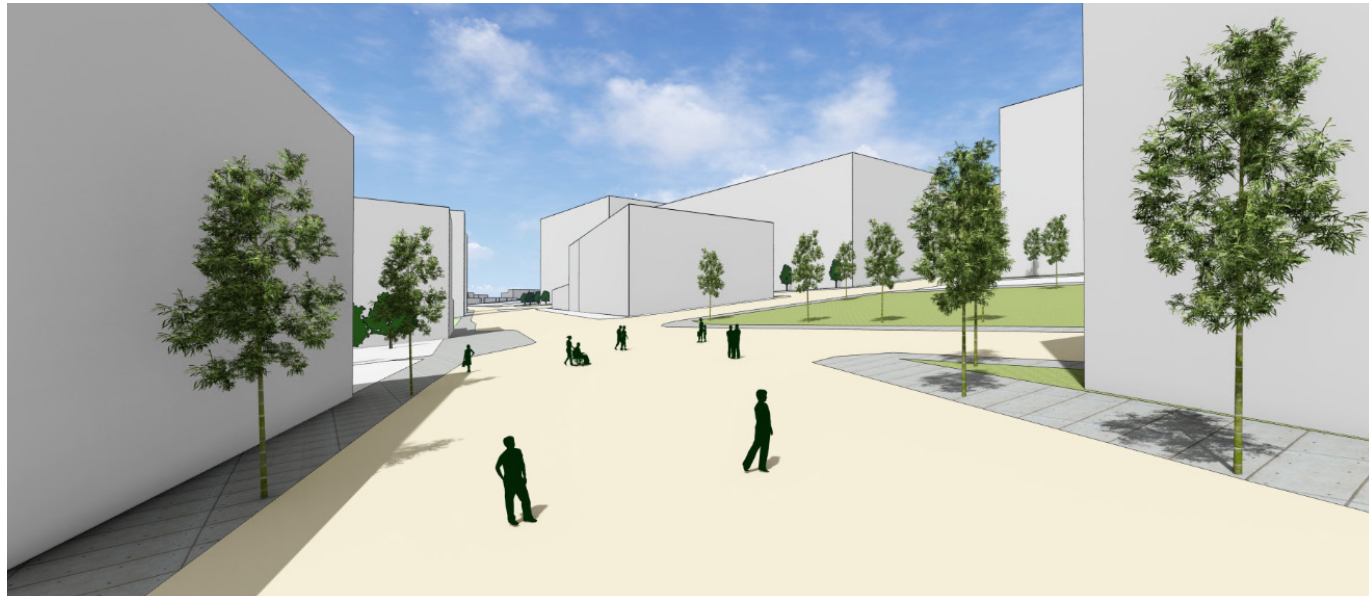


Rendered Street Views

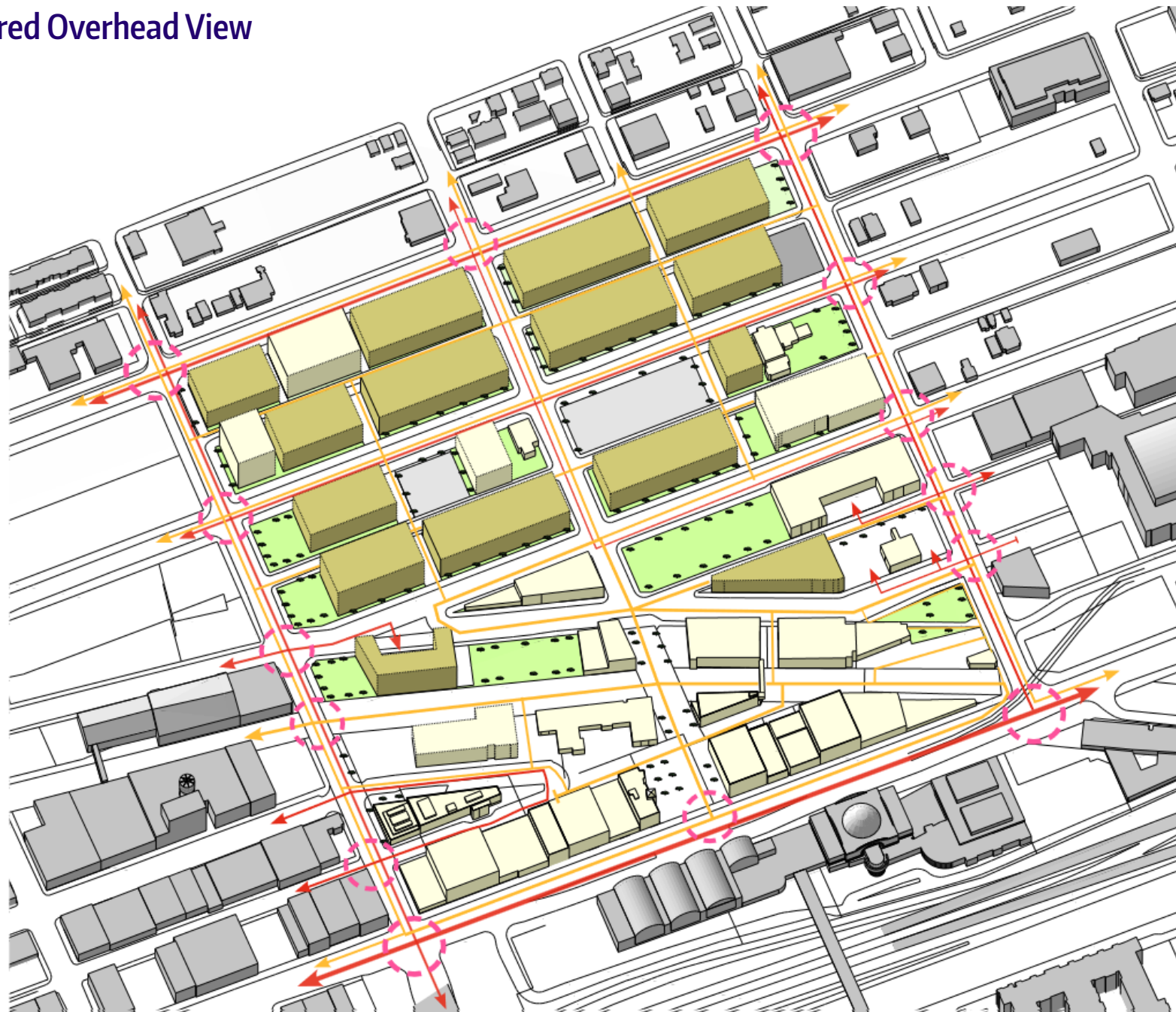
Jefferson Ave and
main quad
[Street view E]



Jefferson Ave
and main quad
[Street view F]



Rendered Overhead View

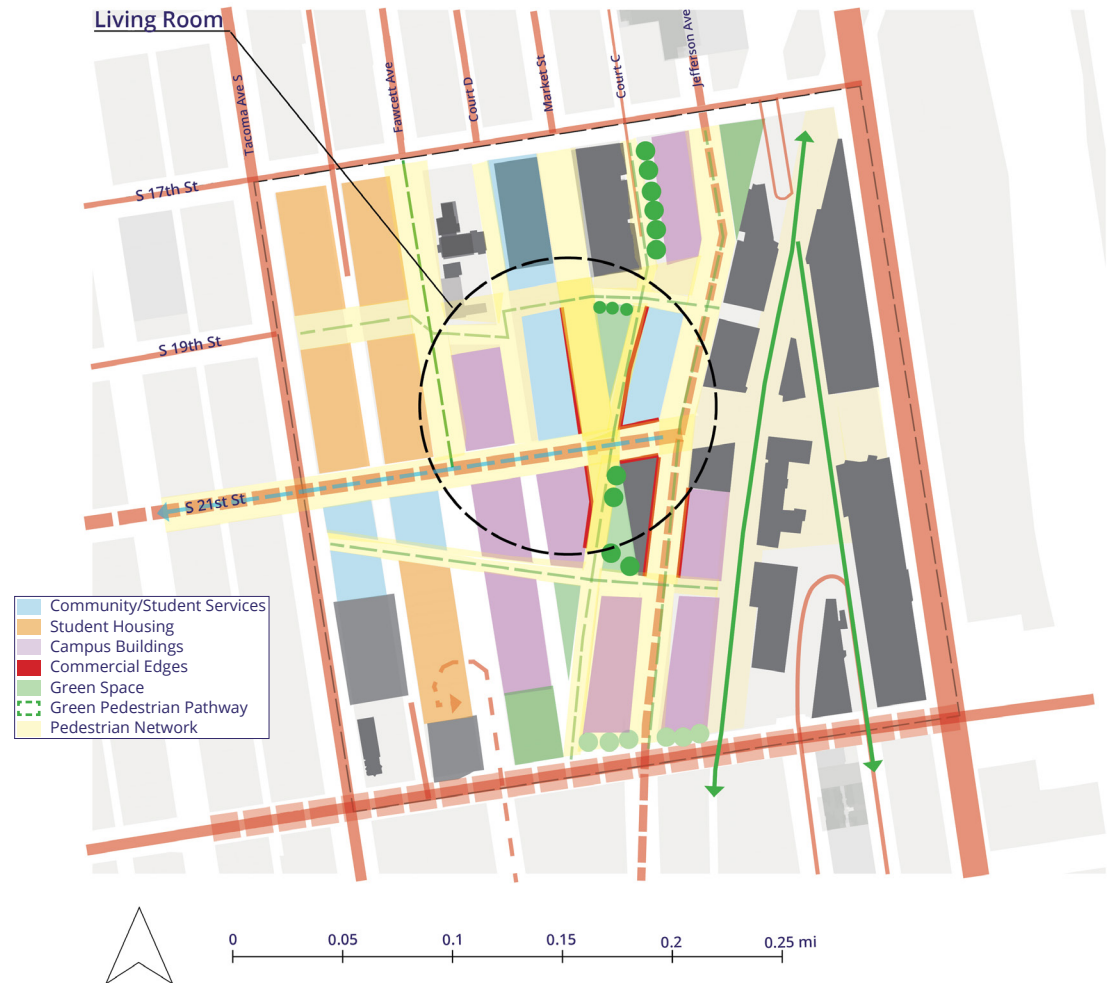




Urban Design Approach

Design proposal focus: **pedestrian paths/ADA access, 19th Street access, bioswales & green space, campus living room, student/community HUBS, and outdoor gathering spaces.**

The design proposal focuses on pedestrian paths that are ADA accessible, a tram on 19th street, bioswales and green space for storm water, a campus living room with active edges, student/community hub spaces, outdoor gathering spaces. Pedestrianized paths make the campus safer as there won't be vehicle-pedestrian collisions. Having the tram on 19th street will combat the slope and help with accessibility, as well as give people more options than driving to campus. The angled pedestrian paths that break from the grid structure also help against the slope of the campus. Bioswales and green space help with collecting and filtering storm water since it will flow down east. It also helps with climate and reducing the heat island effect. The campus living room makes it feel like less of a commuter campus and brings the community together in between classes.



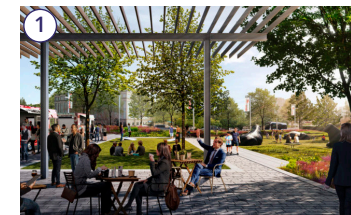
Proposed Site Plan



Legend

- Existing buildings
- Existing adjacent roads
- Proposed buildable areas
- Proposed pedestrianized areas
- Proposed green spaces

Precedents - for illustration of proposed spaces:



1 Ballantyne Corporate Park, Charlotte, NC
 - Gathering space
 - Outdoor seating
 - Green space

Image Courtesy of: Sasaki



2 Seattle University, Seattle, WA
 - Public space
 - Outdoor seating
 - Green spaces

Photo: Mason Hap



3 Seattle University, Seattle, WA
 - Urban university
 - Sloped campus
 - Pedestrianized streets

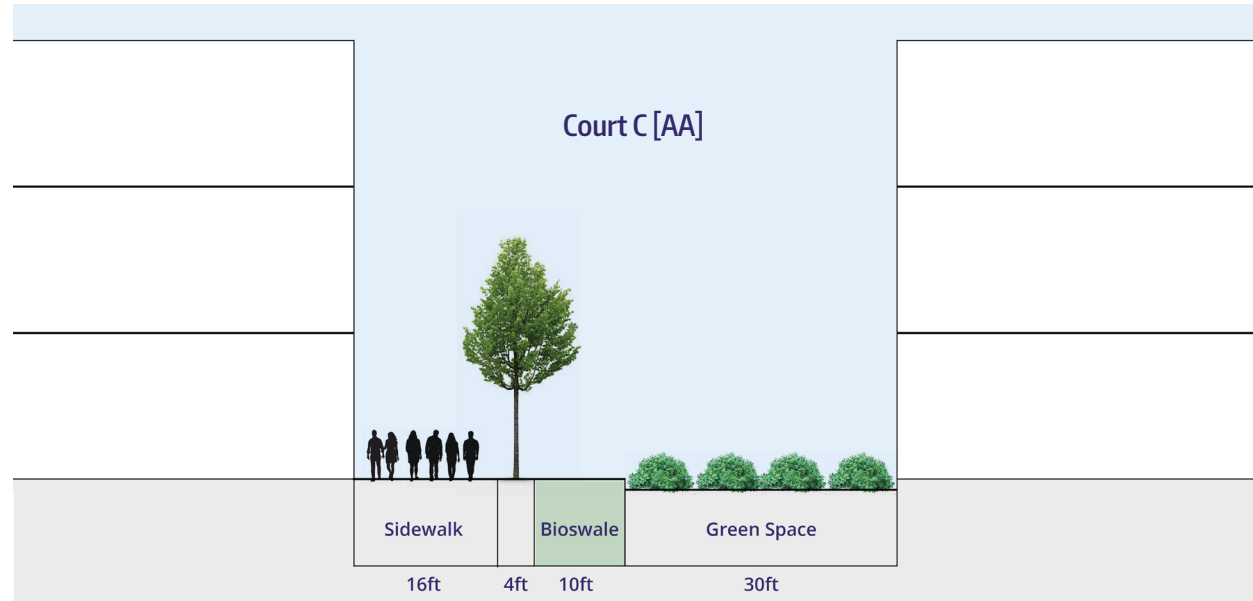
Photo: Mason Hap



Street Sections

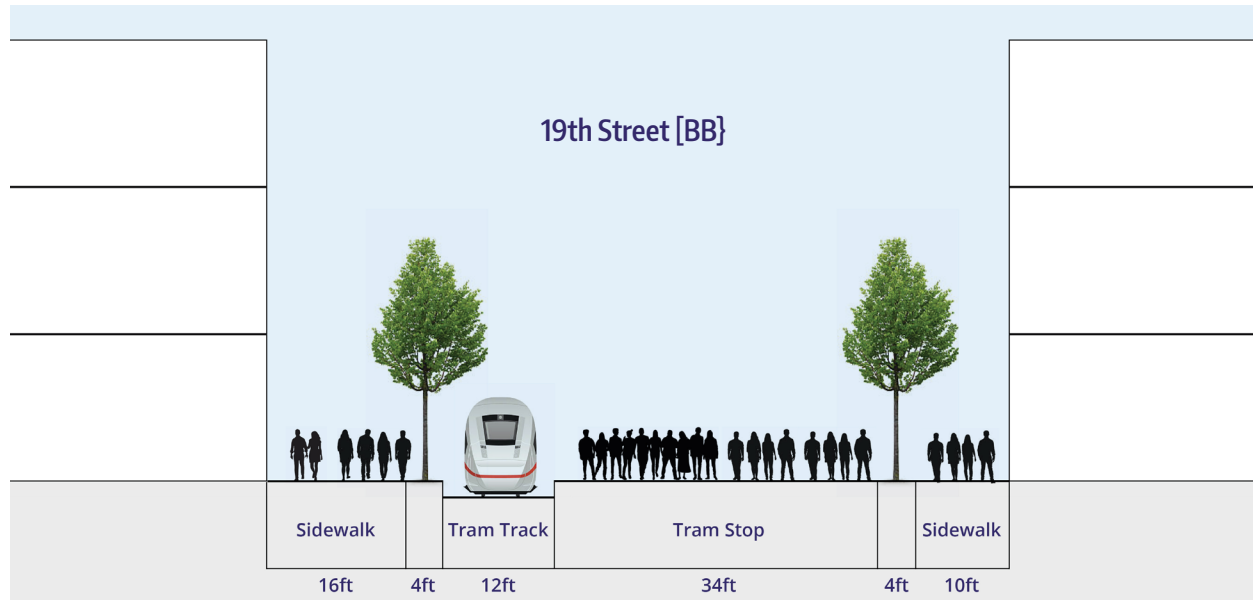
Court C interventions:

- Bioswale
- Pedestrianized
- Removable bollards



19th St. interventions:

- Tram
- Pedestrianized
- Removable bollards



Rendered Overhead View



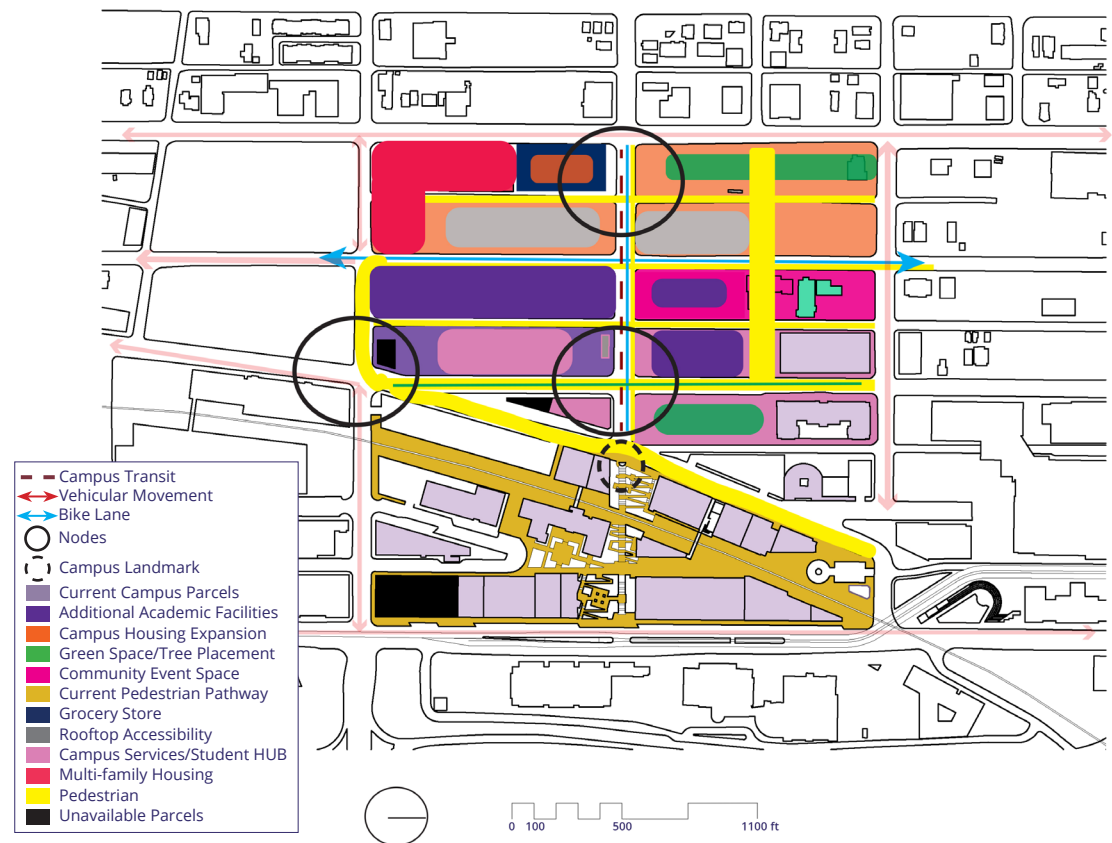


AALIYA JONES

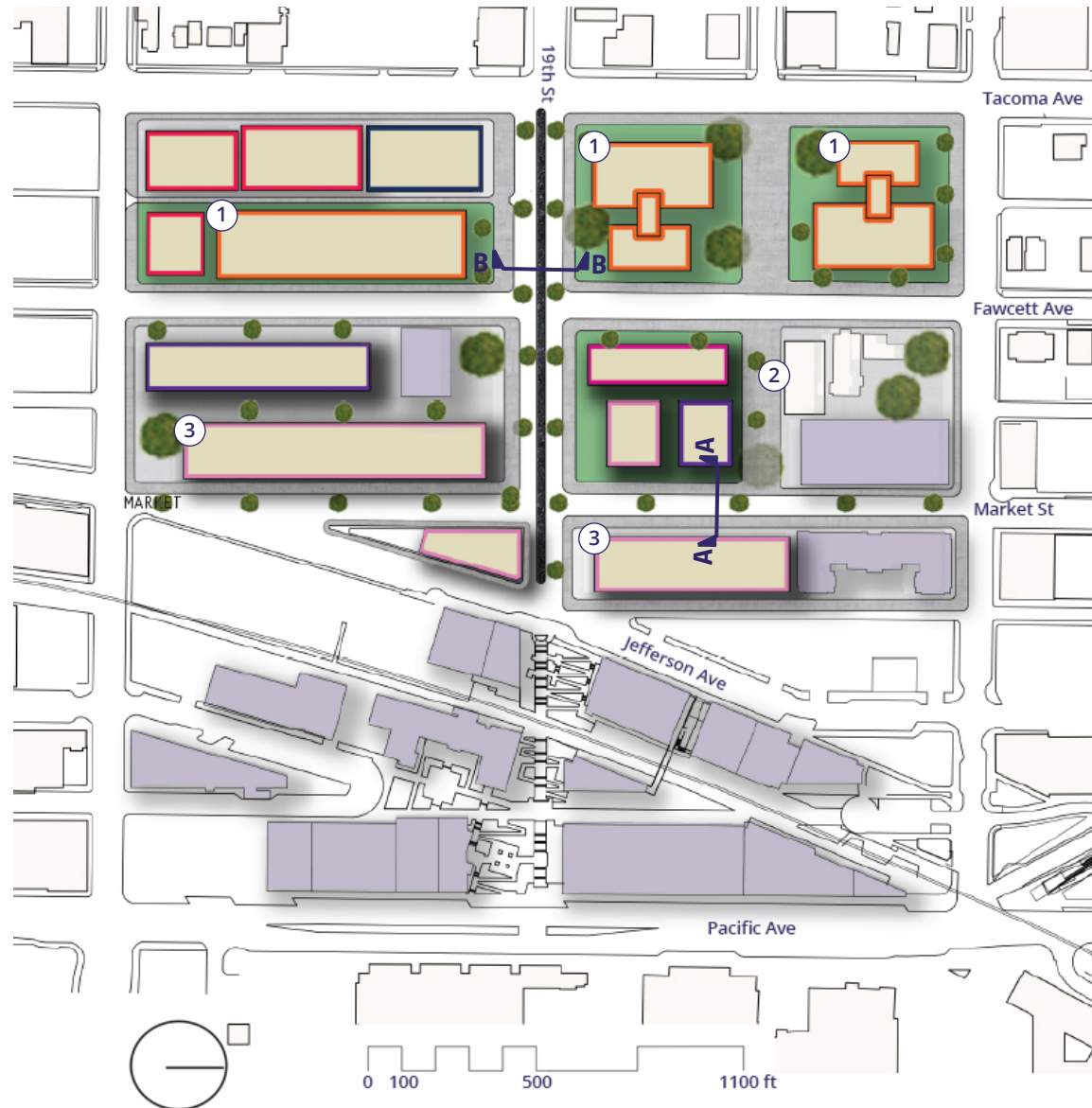
Urban Design Approach

Design proposal focus: **student housing, access to food, multi-purpose buildings, and a campus living room/community HUB.**

I intentionally put emphasis on community connection within and outside of the University of Washington Tacoma, placemaking, and building programming that best suited the needs of both the university and students. I have created a framework that directly responds to the issues that were expressed in the community engagement portion of this project. The main points of my design are the campus living room that would comprise of four buildings, including the historical Swiss, implementation of adequate amounts of student housing to handle the influx of proposed new students, a grocery store to address food insecurity and affordability, and lastly programming the buildings to have multiple purposes to capitalize on limited land parcel availability.



Proposed Site Plan



Legend

Proposed	Existing
Green spaces	UWT bldgs
Grocery store	Buddhist temple
Student housing	
Community center	
Campus HUB	
Academic building	
Market housing	

Precedents - for illustration of proposed spaces:

- 

1 Shoreline Community College, WA
 - Student housing
 - Shared outdoor space
 - LEED building
 Photo: Shoreline Community College
- 

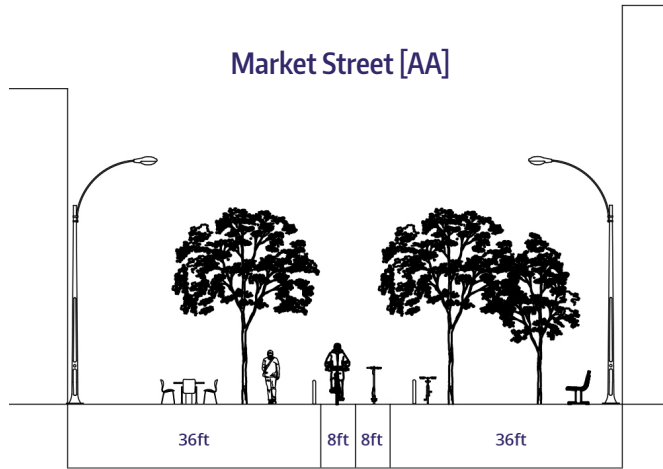
2 Sunnydale Community Ctr, San Francisco, CA
 - Neighborhood HUB
 - Outdoor seating
 - Green spaces
 Photo: LEDDY MAYTUM STACY Architects
- 

3 University of Miami Lakeside Village, Miami, FL
 - Green roof
 - Outdoor green space
 Photo: ArquitectonicaGEO

Street Sections

Market St. interventions:

- Bike lanes
- Pedestrianized
- Outdoor seating

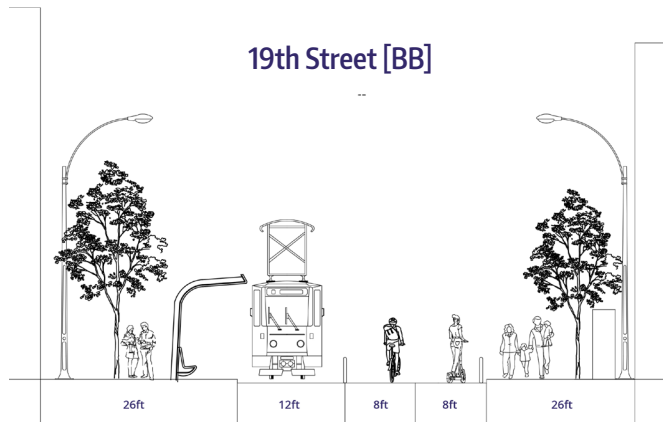


Market Street [AA] - plan view



19th St. interventions:

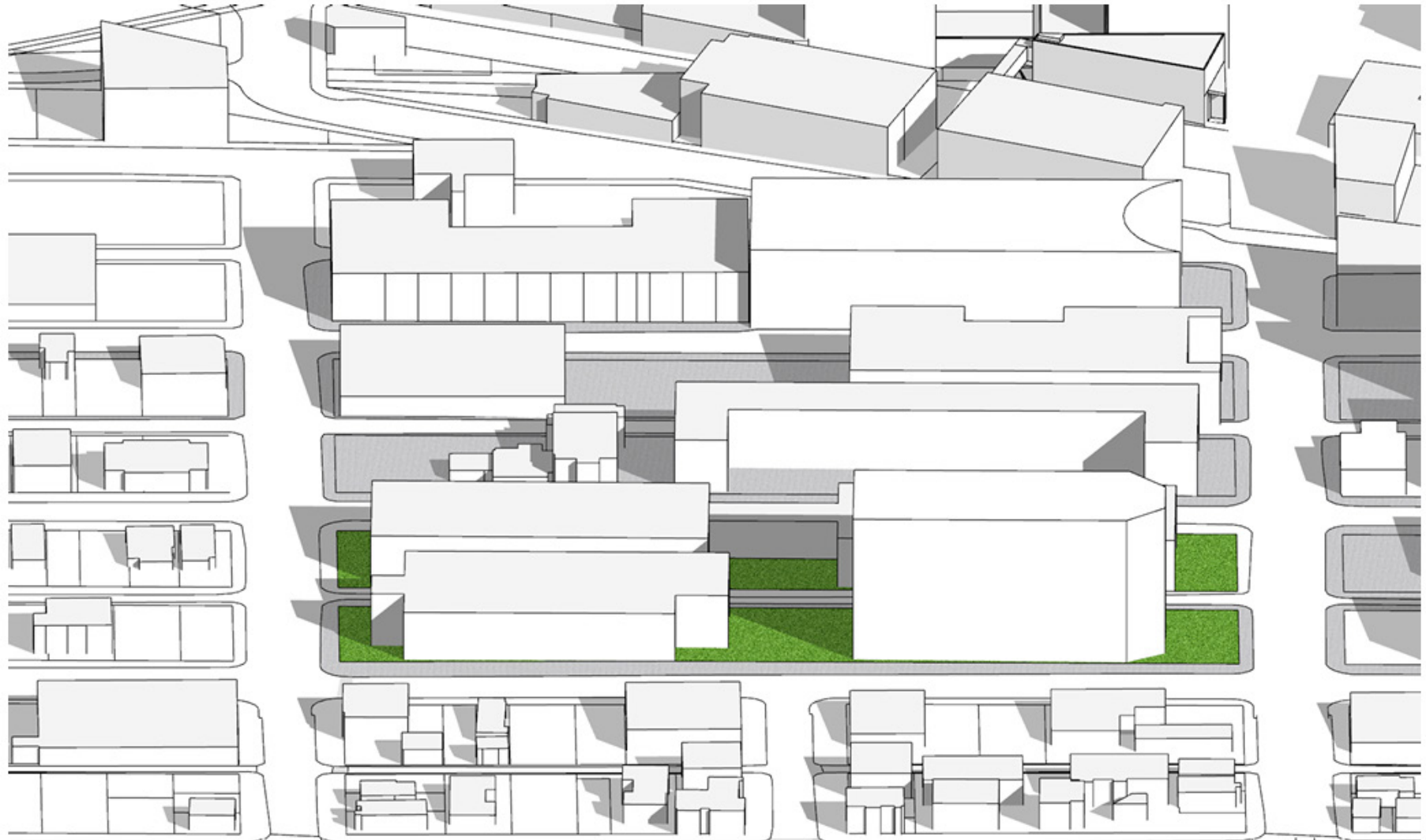
- Tram
- Pedestrianized
- Bike/scooter lanes



19th Street [BB]



Rendered Overhead View





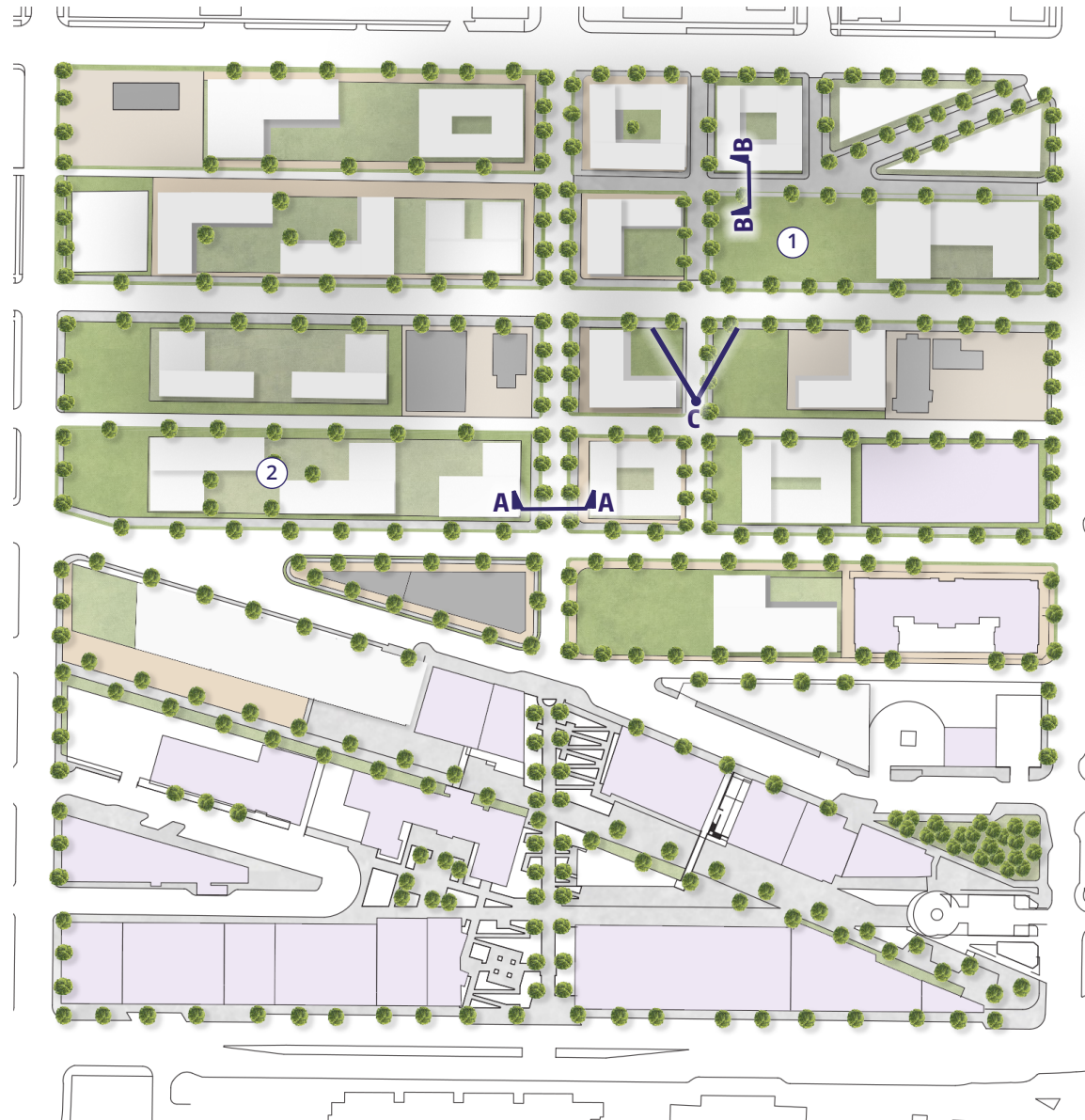
Urban Design Approach

Design proposal focus: **additional student housing, trail (pathway) connections, public spaces, incorporating mixed-use development, and green spaces.**






To achieve this goal, we must expand and connect the west side of campus to the existing buildings. The current housing unit on campus has 128 units, meaning there needs to be additional housing units to accommodate the shift from 5000 students to 10,000. This project focuses on the Prairie Line trail increasing pedestrian connectivity throughout campus. This framework introduces the idea of adding trail connections throughout campus that circulate back to the Prairie Line Trail. This could connect planned public spaces such as courtyards and playfields. The west side of campus would incorporate mixed-use institutional and student housing buildings connected via green spaces. Green spaces allow for soil remediation and stormwater mitigation projects.



Proposed Site Plan



Legend

-  Existing other buildings
-  Existing UWT buildings
-  Proposed buildings
-  Proposed green spaces
-  Proposed trees

Precedents - for illustration of proposed spaces:



Photo: Seattle University

- Seattle University
Seattle, WA
- Public space
 - Urban park
 - Green spaces

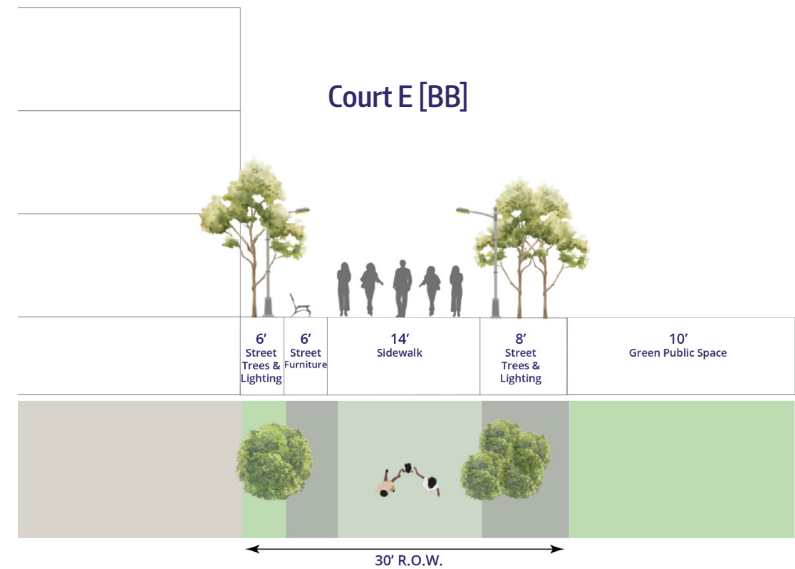
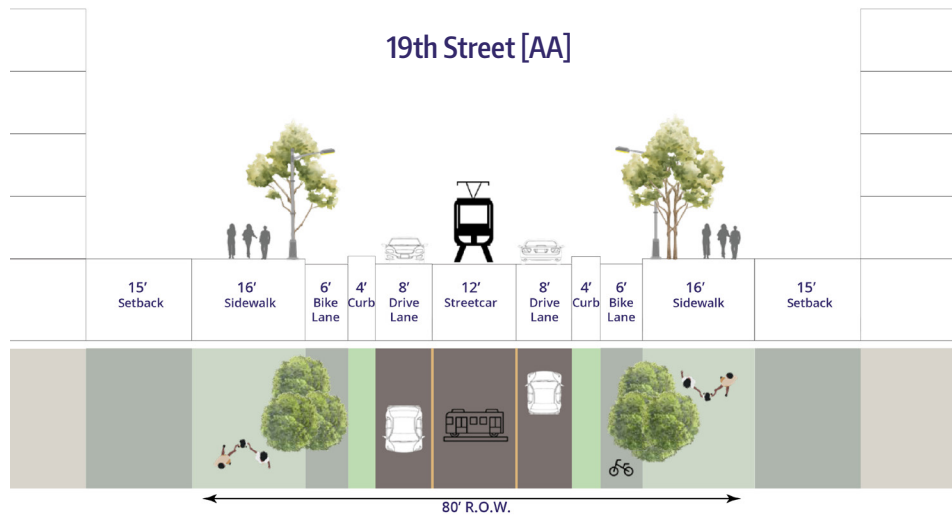


Photo: Seattle University

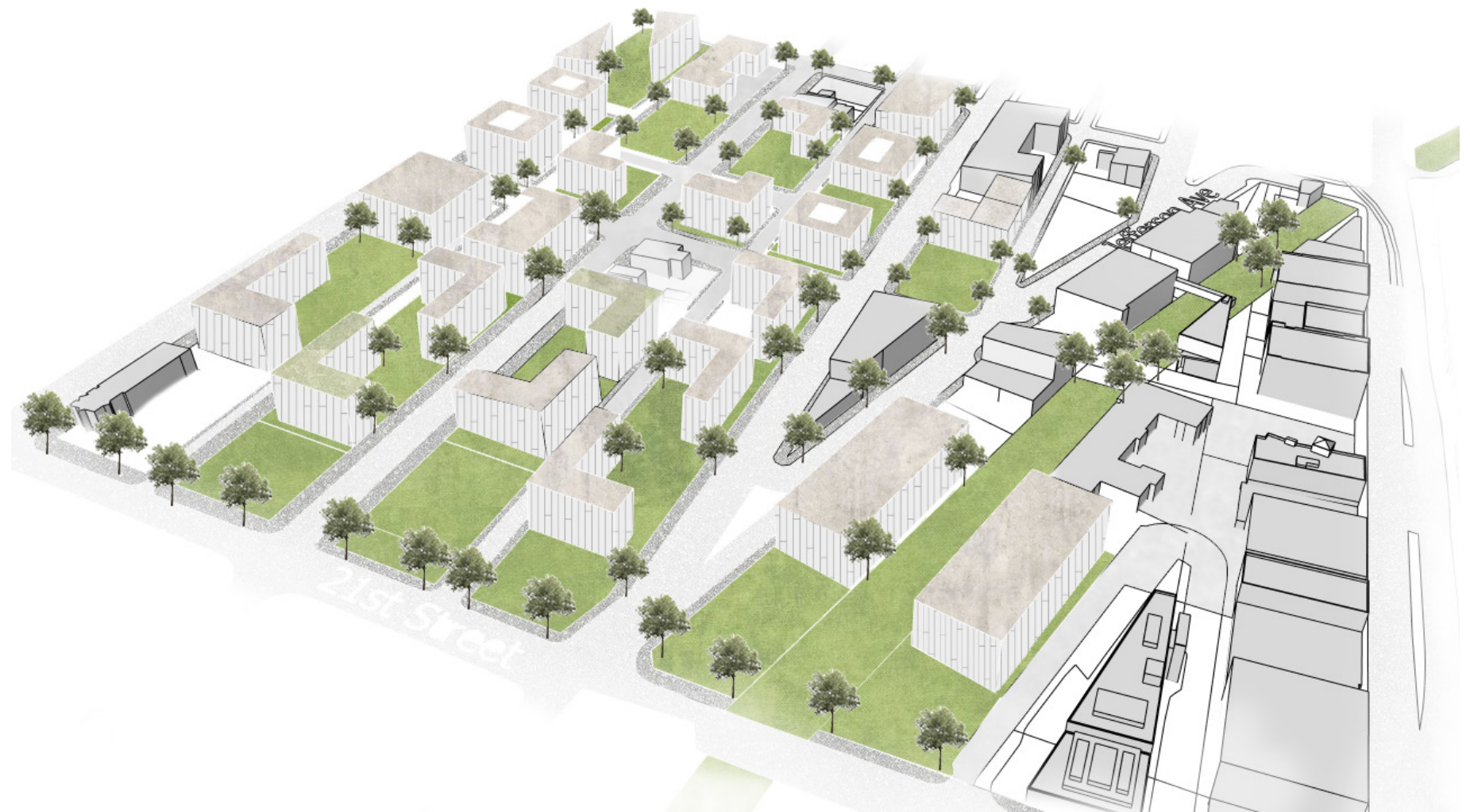
- Seattle University
Seattle, WA
- Downtown proximity
 - Green space
 - Outdoor seating

Street Sections & Rendered Street View

New East-West Street and green spaces
[Street view C]



Rendered Overhead View



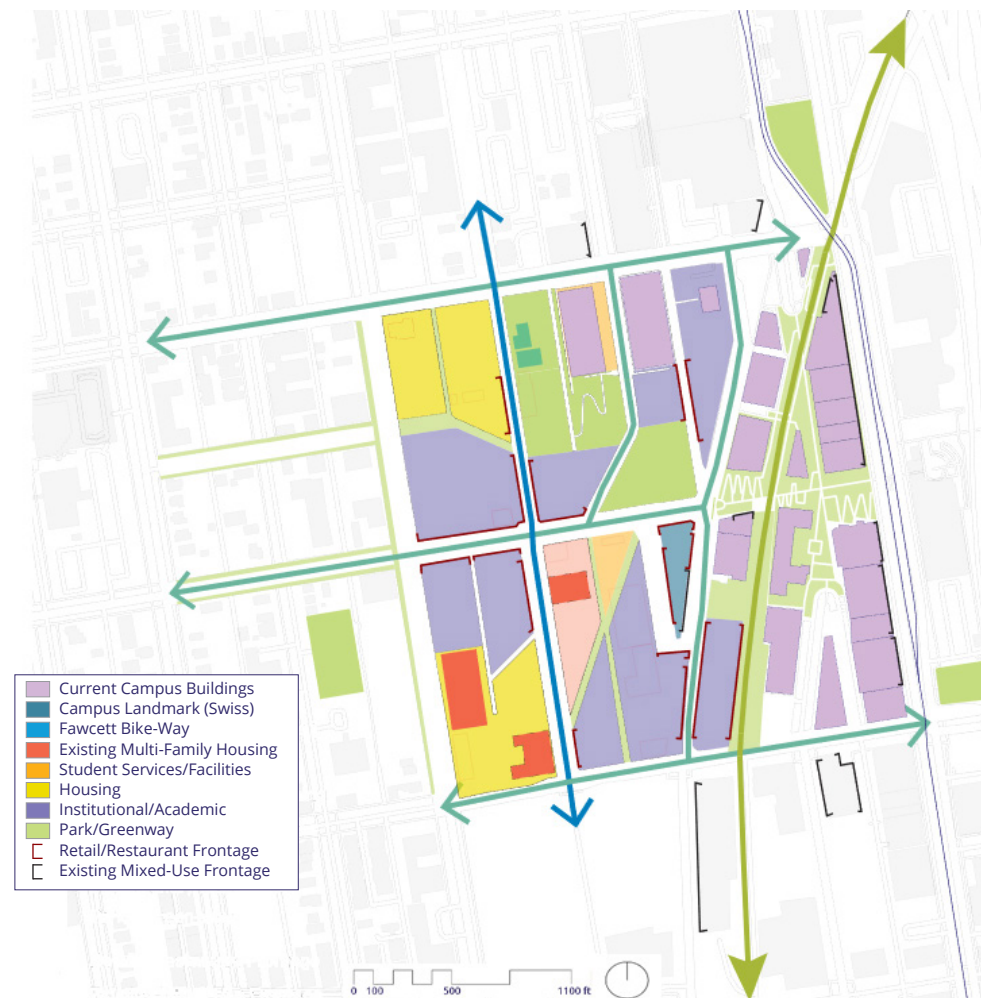


BRIAN NJOROGE

Urban Design Approach

Design proposal focus: **integrated land uses, urban green spaces, improved accessibility, and enhanced community connections.**

The UW Tacoma campus is poised for an exciting transformation. A thoughtful master plan is needed to navigate this evolution. This plan should prioritize new housing options, improved access, a strong sense of community, and equitable development. It should also ensure the preservation and enhancement of the area's unique character, fostering a vibrant urban campus community that thrives alongside its neighbors. New developments will include a mix of housing, academic buildings, and mixed-use spaces, catering to the diverse needs of the campus community. The creation of green spaces will enhance the campus aesthetic and provide much-needed areas for relaxation and recreation. Addressing access challenges will be crucial. Aligning the existing grid pattern with the campus contours will improve navigation and create a more seamless experience. The plan will prioritize initiatives that invite and seamlessly blend the campus with neighboring areas, fostering collaboration and a sense of belonging.



Proposed Site Plan



Legend

-  Existing UWT buildings
-  Existing Landmarks (Buddhist Temple, Swiss)
-  Existing Apartment buildings
-  Existing roads
-  Proposed Buildings
-  Proposed pedestrianized areas and plazas
-  Proposed green space
-  Proposed trees

Precedents - for illustration of proposed spaces:



Image Courtesy of Utopia Arkitekter

- 1** Hornsbruksgatan
Stockholm, Sweden
- Accessible pathways
 - Terraced design
 - Public/Green spaces

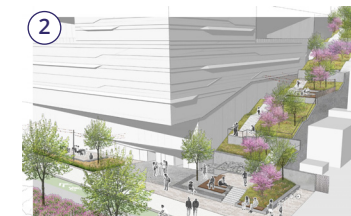


Image Courtesy of David Rubin/Land Collective

- 2** University of Pittsburgh
Pittsburgh, PA
- Public greenspace
 - ADA accessibility
 - Sloped design

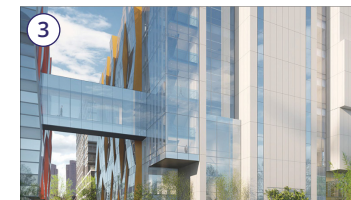


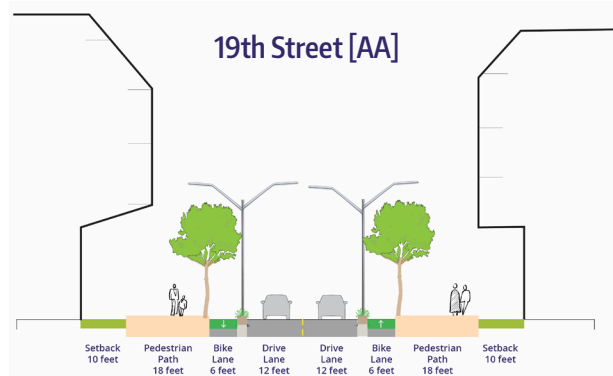
Photo: Perkins+Wills

- 3** University of Washington
Seattle, WA
- Enhanced mobility
 - Access to gathering spaces
 - Building connectivity

Street Sections

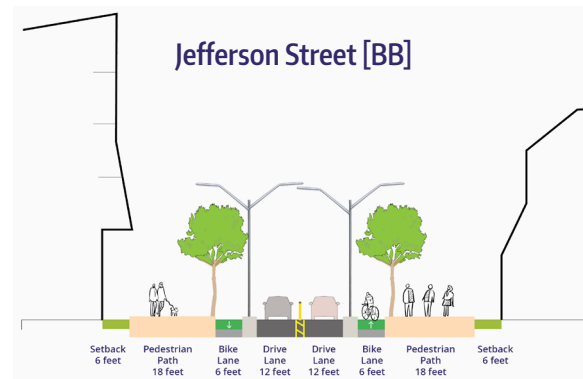
19th St. interventions:

- Bike lanes
- Wider pedestrian pathways
- Trees/green spaces



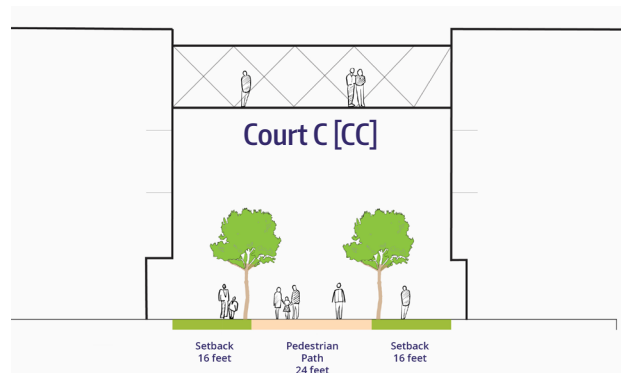
Jefferson St. interventions:

- Bike lanes
- Wider pedestrian pathways
- Trees

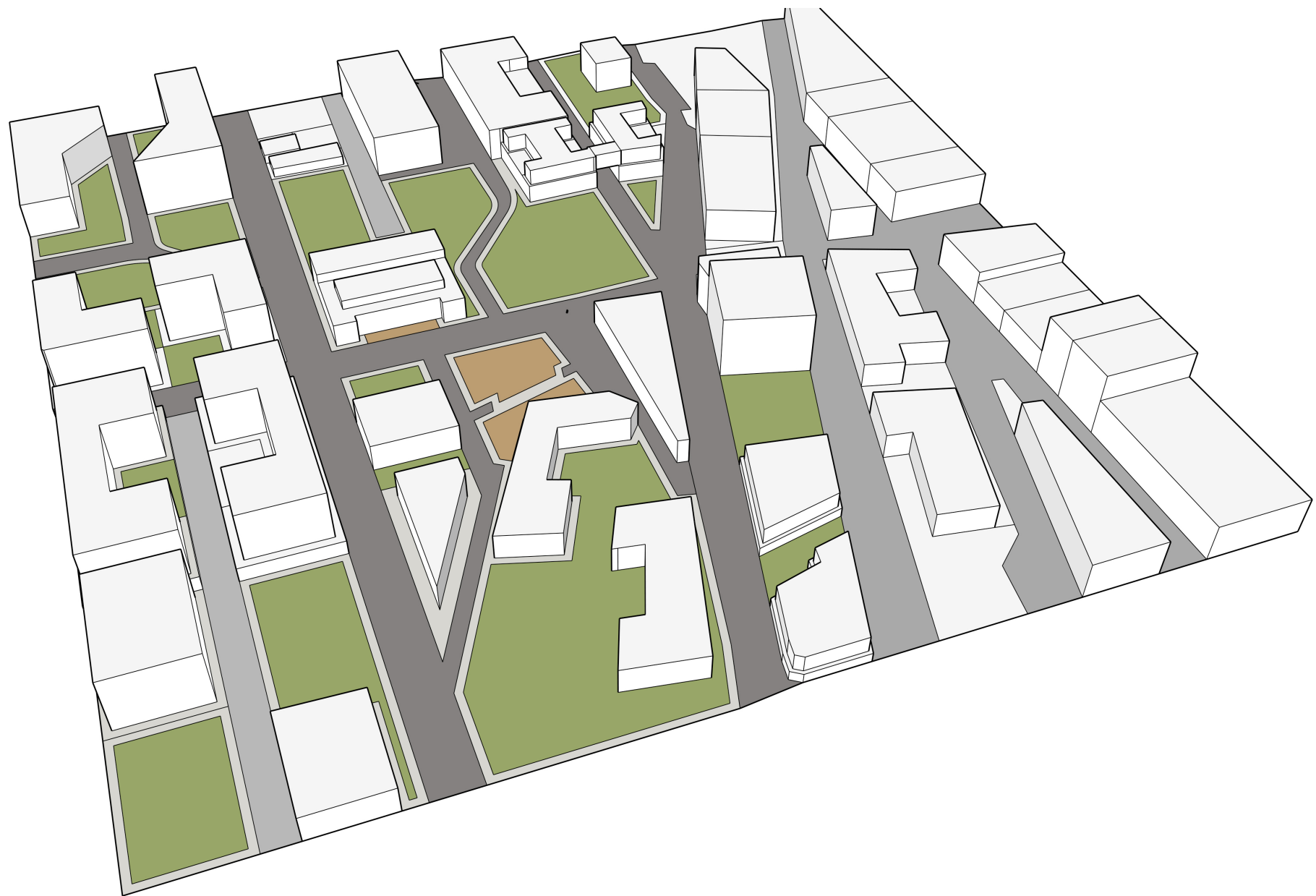


Court C interventions:

- Skyway building connection
- Pedestrianized



Rendered Overhead View

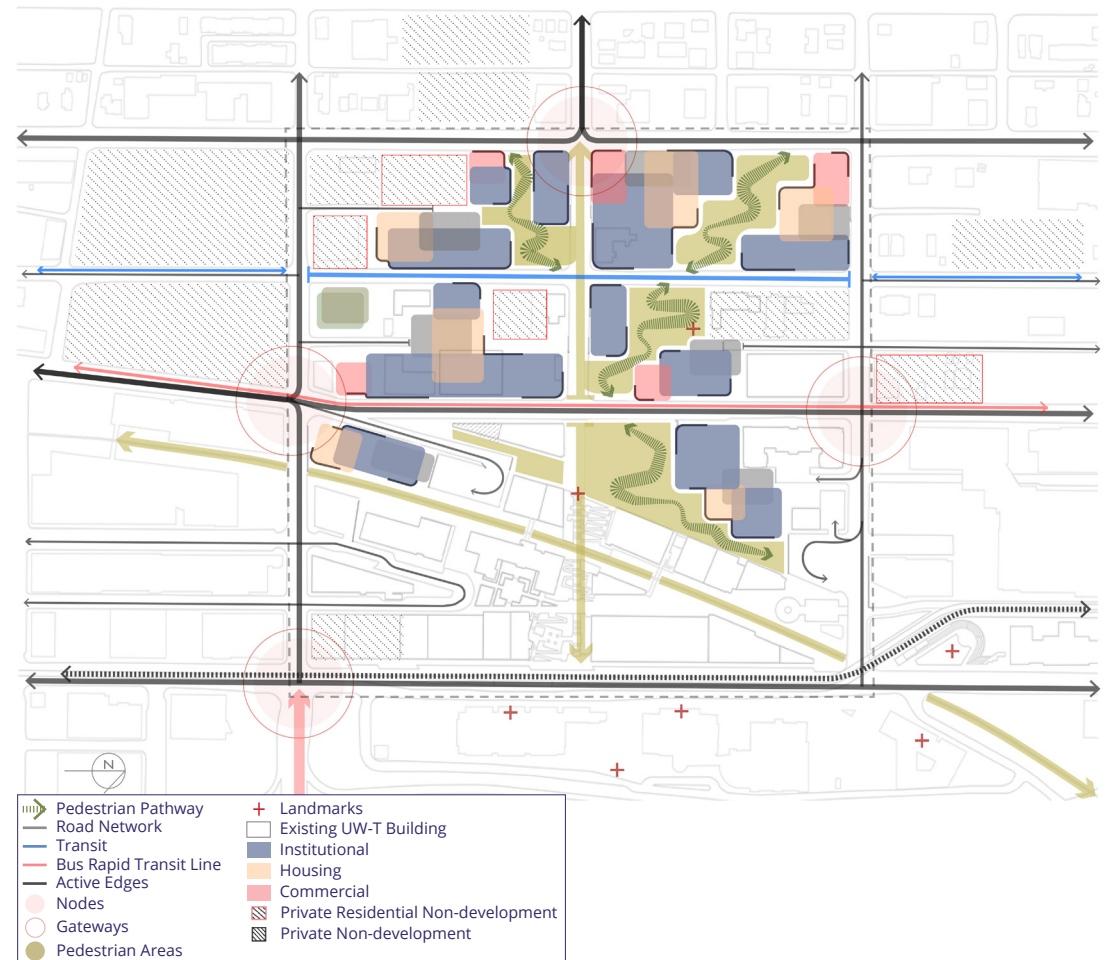




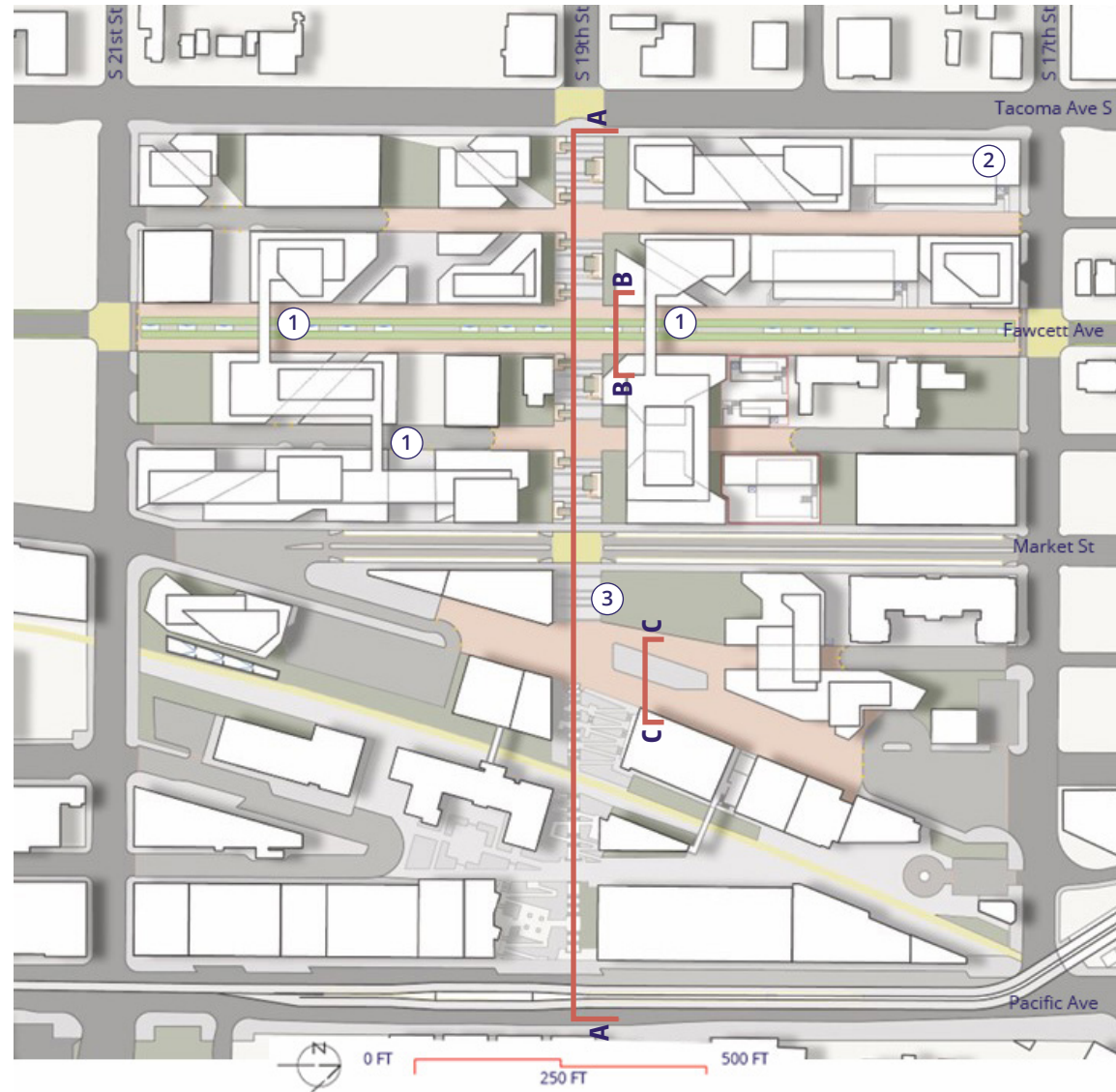
Urban Design Approach

Design proposal focus: **pedestrianization of campus, historical design elements, terracing**, and a **campus QUAD/community HUB**.

The campus footprint [currently] is small in comparison to many other community colleges and state, or private universities. With this in mind, maximizing space in an efficient and sustainable manner, allowing for future adaptation [with growth] is paramount. This is accomplished by meshing structures, programming campus footprint, and integrating green infrastructure and spatiality with intentionality: creation of super blocks through adaptation of existing grid, brick pavers tying historic character, terracing to cope with steep grade and elevation, and creation of a QUAD with a pedestrian island on Jefferson Street. The adaptation of the UWT campus has to be conducted in a multi-faceted approach, creating density of structure, space, and people, while intentionally meshing it into surrounding community.



Proposed Site Plan



Legend

- Existing buildings
- Existing adjacent roads
- Existing and proposed sidewalks
- Proposed pedestrianized areas
- Proposed buildings
- Proposed bikeway
- Proposed raised crosswalks

Precedents - for illustration of proposed spaces:

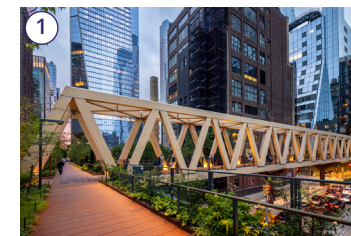


Photo: Andrew Frasz, nyctourism.com

- 1** Moynihan bridge Hignline, New York
- Pedestrian access
 - ADA access
 - Railroad heritage

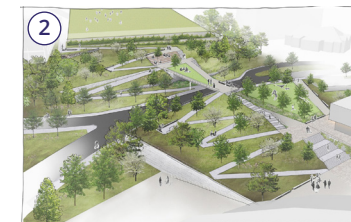


Image Courtesy of David Rubin/Land Collective

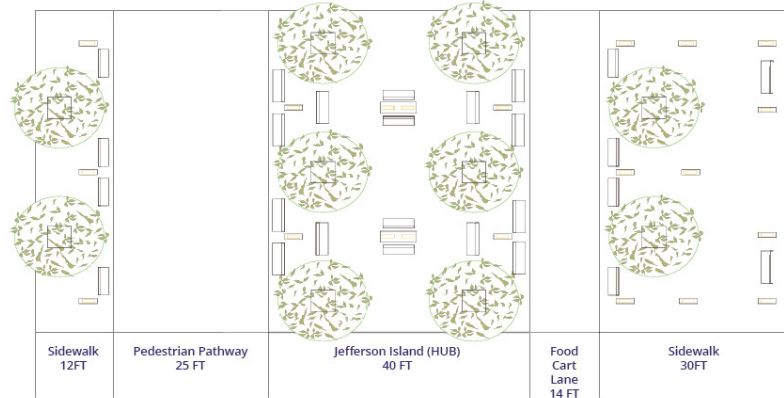
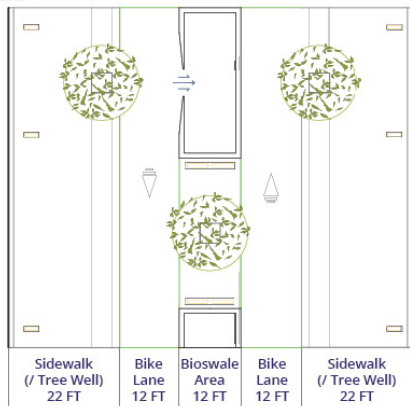
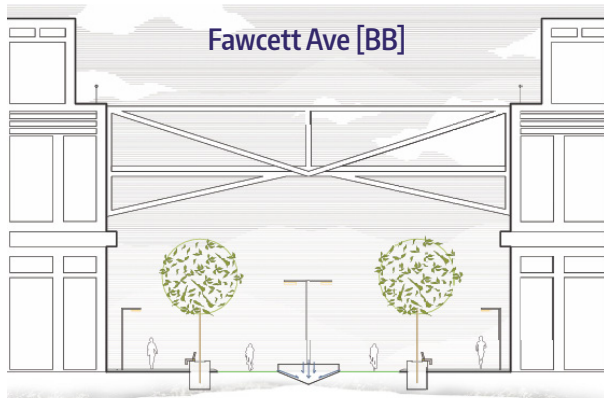
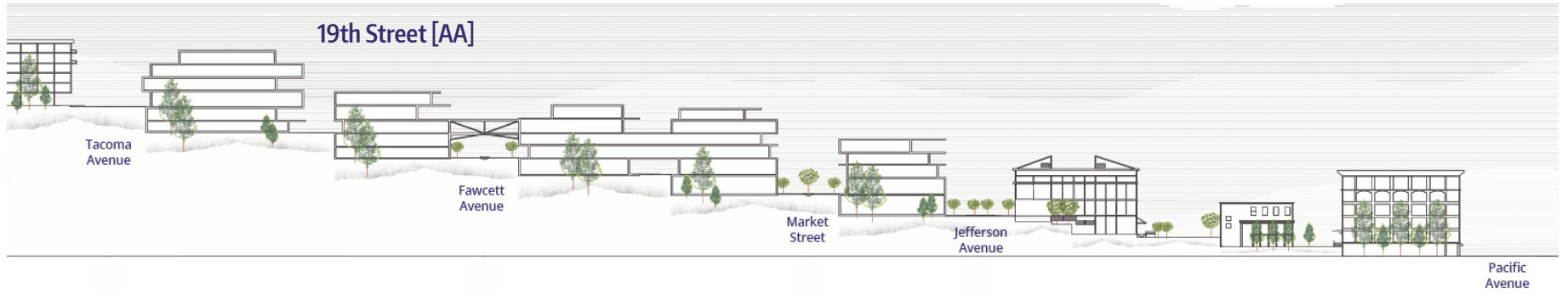
- 2** University of Pittsburgh Pittsburgh, PA
- Public greenspace
 - ADA accessibility
 - Sloped design



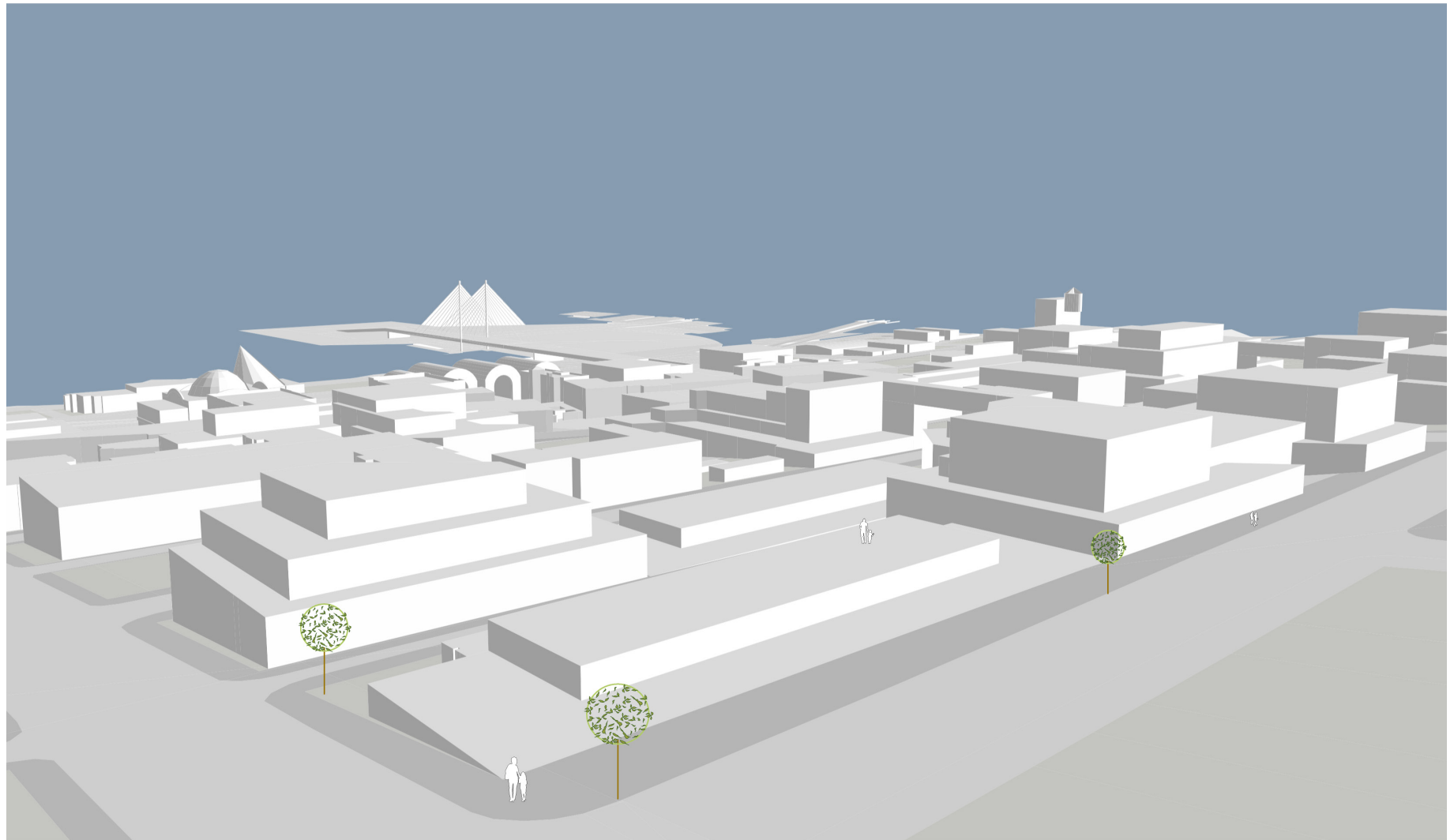
Image Courtesy of fieldoperations

- 3** Overlook Walk Seattle, WA
- Enhanced mobility
 - View shed creation
 - Building connectivity

Site & Street Sections



Rendered Overhead View





Urban Design Approach

Design proposal focus: **campus living room, green spaces, social HUB, mixed-use elements,** and a **complete pedestrianization of campus.**



The framework approaches the redesign by focusing on the central idea being that of the campus becoming a living room. From there, green and social spaces are connected to increase activity and vibrancy along with mixed-use spaces and pedestrianizing the entire campus to make it a pedestrian-forward space with the edges also activated to drive people towards the hub. In terms of ADA access, 19th Street will be redesigned to include a roundabout. Public spaces and street furniture will interweave and help take advantage of the now pedestrianized streets. The bike lane on Fawcett Ave will also be expanded throughout the campus along with increased bioswales along the now vacant streets which will be left wide enough for emergency access. Shared parking structures could be placed on the edge that is shared with the Hilltop community. Lastly, some rooftops could be utilized as extra spaces for the view.



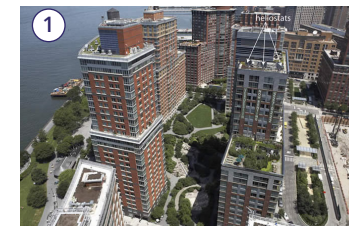
Proposed Site Plan



Legend

-  Existing buildings
-  Existing and proposed roads
-  Existing green space
-  Proposed institutional buildings
-  Proposed student housing
-  Proposed Mixed use, parking
-  Proposed green space

Precedents - for illustration of proposed spaces:



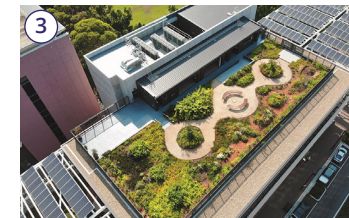
1 Teardrop Park
New York, NY
- Urban playground
- Soil remediation
- Social space

Photo: Kristina Hill & Michael Geffel



2 Civic Space Park
Phoenix, AZ
- Event center
- Permeable surfaces
- Extensive shade

Image courtesy of AECOM



3 Eveleigh Rooftop Garden
New South Wales, Australia
- Native garden
- Community education
- Green spaces

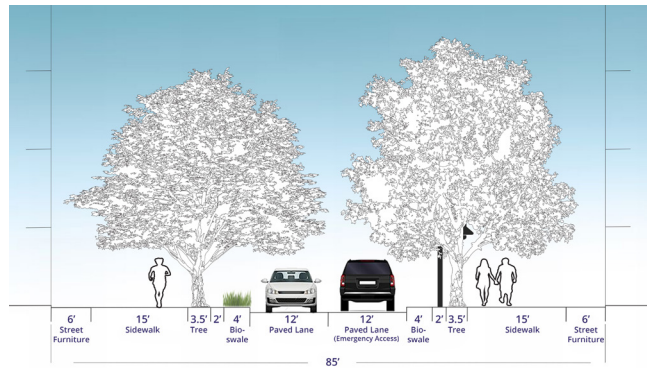
Photo: Yerrebingin Pty Ltd.

Street Sections

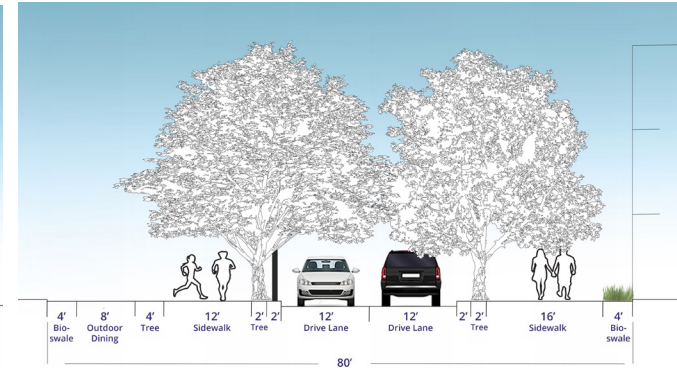
19th & 21st Street interventions:

- Wider sidewalks
- Trees & bioswales
- Outdoor seating & dining

19th Street [AA]



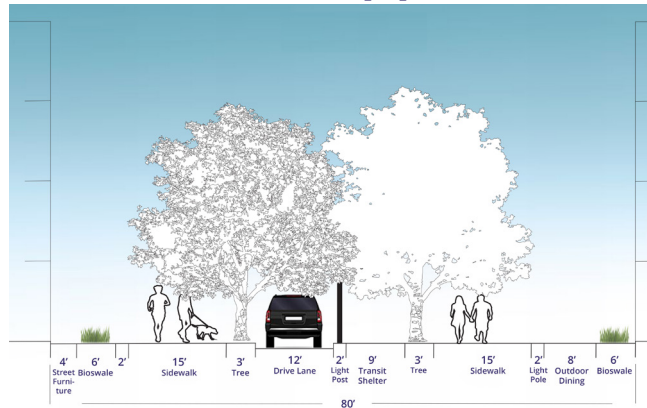
21st Street [BB]



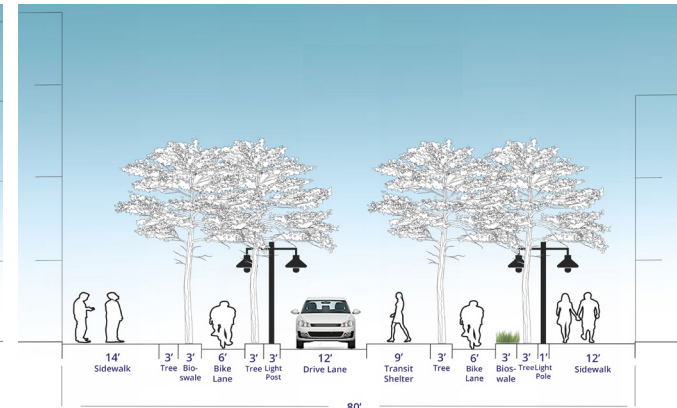
Market Street & Fawcett Avenue Interventions:

- Bike lanes
- Reduced drive lanes
- Trees/bioswales

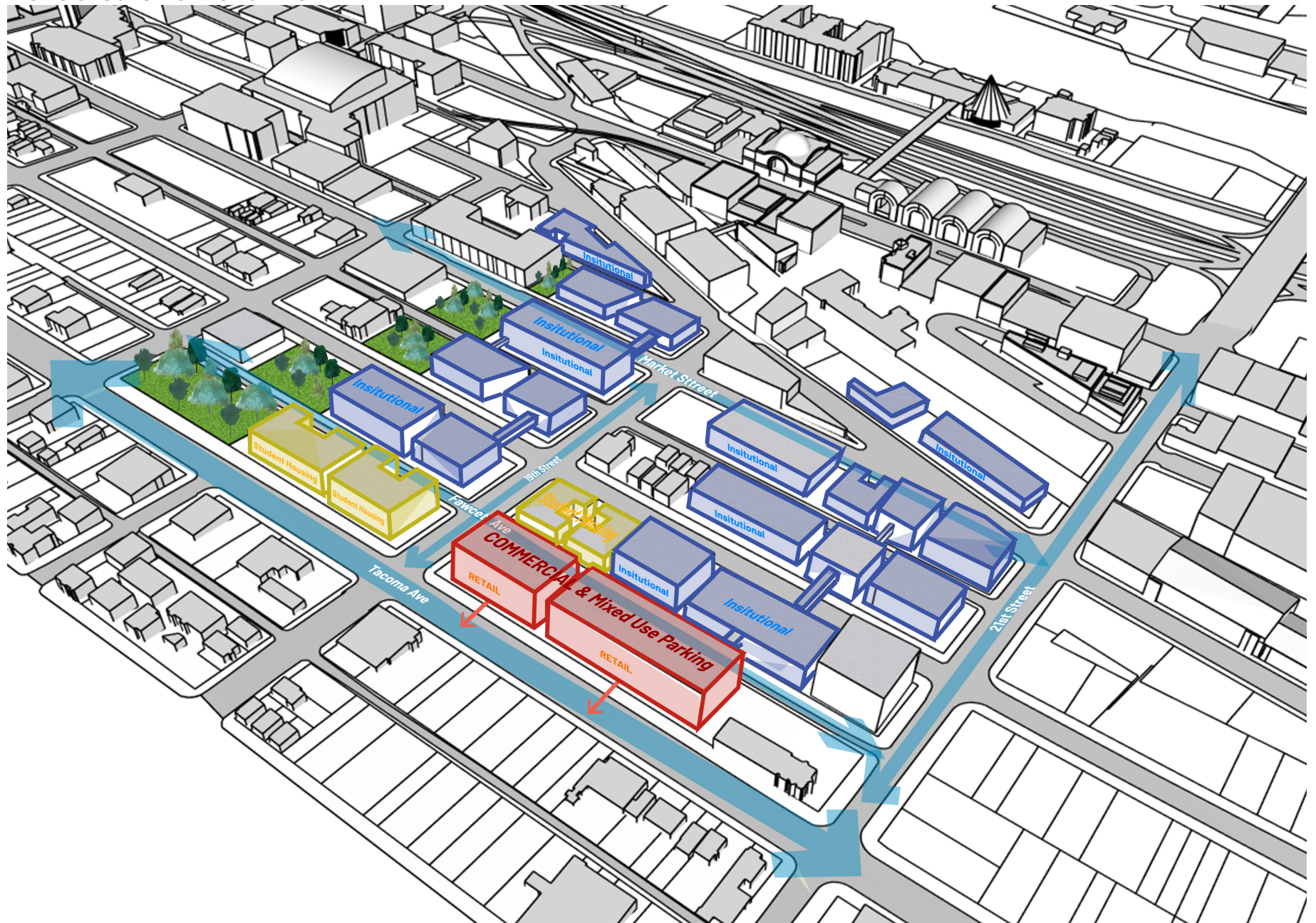
Market Street [CC]



Fawcett Avenue [DD]



Rendered Overhead View





PEIJIE ZHAI

Urban Design Approach

Design proposal focus: **pedestrianized pathways, reduced parking, alternative transportation, additional housing, and a cable car system.**

Pedestrianized pathways help to ensure safety for students and visitors by eliminating road-crossing risks and enhancing the overall enjoyment of the campus. An emphasis on mixed-use buildings helps contribute to university development by balancing various campus elements. Green pathways prioritized over excessive green space to suit Washington's rainy weather while still ensuring functional and enjoyable outdoor areas. A Cable Car System inspired by Tacoma's history to address high ground elevation and mobility-challenges and provides ADA access on hills, saving time and enhancing accessibility. Reducing the number of parking spaces encourages fewer students to drive and improves air quality. Alternative transportation and additional housing encourage students to use alternative transportation methods and promote living on or near campus, reducing reliance on campus parking. This also helps to activate community engagement around the mixed-use buildings.



Proposed Site Plan



Legend

- Existing buildings
- Existing roads
- Proposed roads
- Proposed shared streets
- Proposed pedestrianized areas
- Proposed green spaces

Precedents - for illustration of proposed spaces:



- 1** Ogden International School
Chicago, IL
- Rooftop green space
 - Viewpoint
 - Space utilization

Photo: Rooflite



- 2** UC Berkeley
Berkeley, CA
- Greenspace
 - Social HUB
 - Slope development

Image courtesy of Sasaki



- 3** Tram'bus
Biarritz, France
- Hill traversal
 - ADA access

Photo: Dirk Budach

Street Sections

19th Street Interventions:

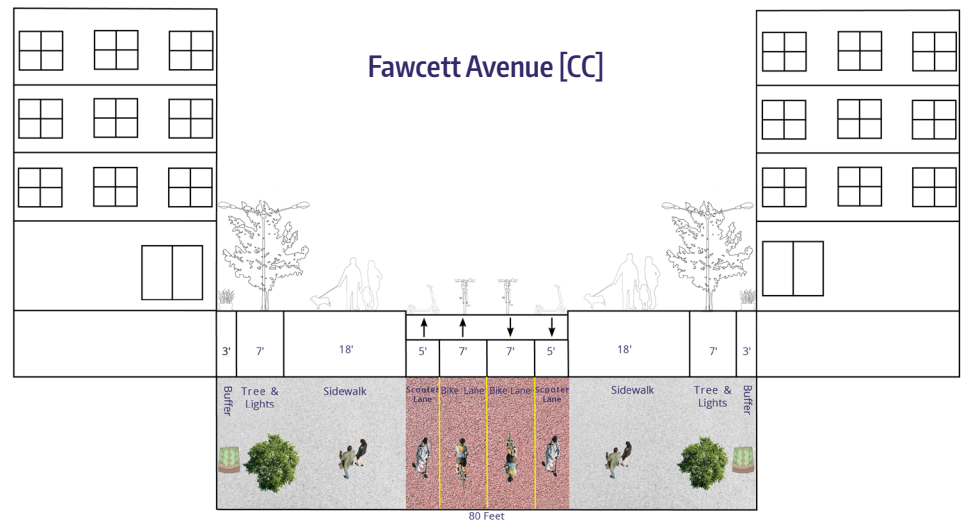
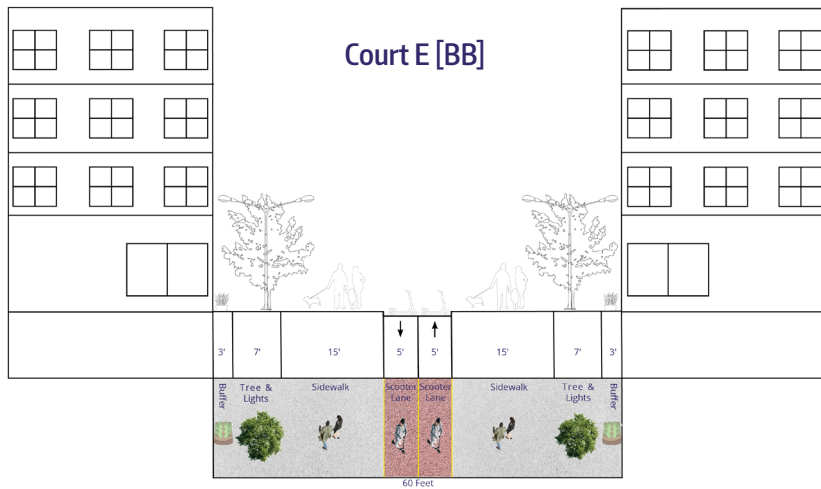
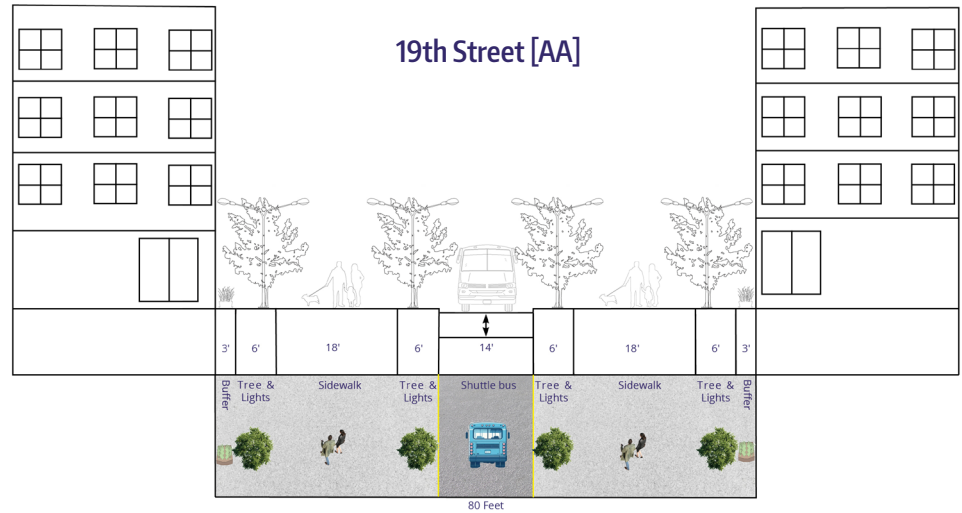
- Single bus lane
- Wider pedestrian pathways
- Trees

Court E Interventions:

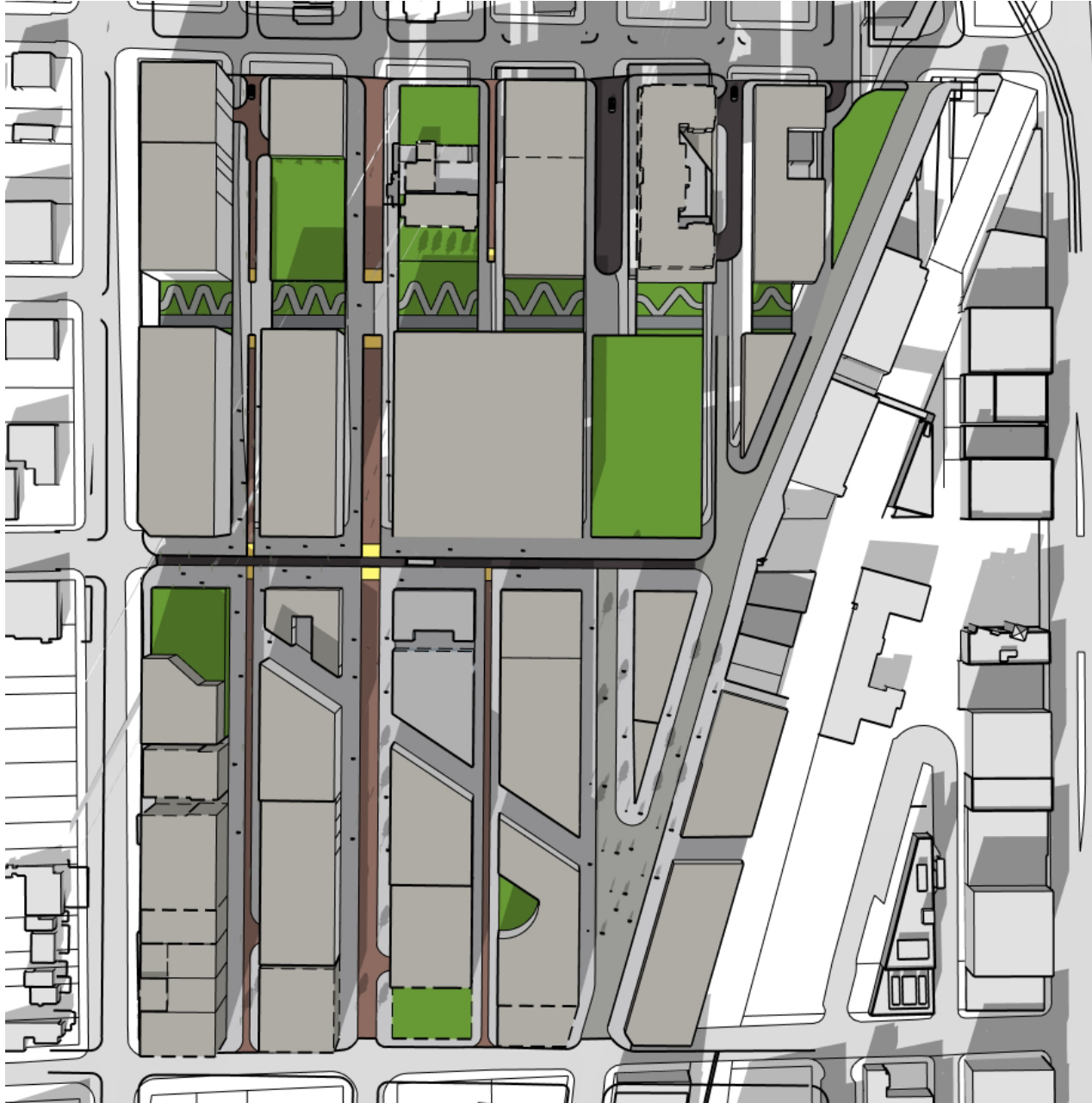
- Scooter lanes
- Wider pedestrian pathways
- Trees

Fawcett Avenue Interventions:

- Scooter/bike lanes
- Wider pedestrian pathways
- Trees



Rendered Overhead View



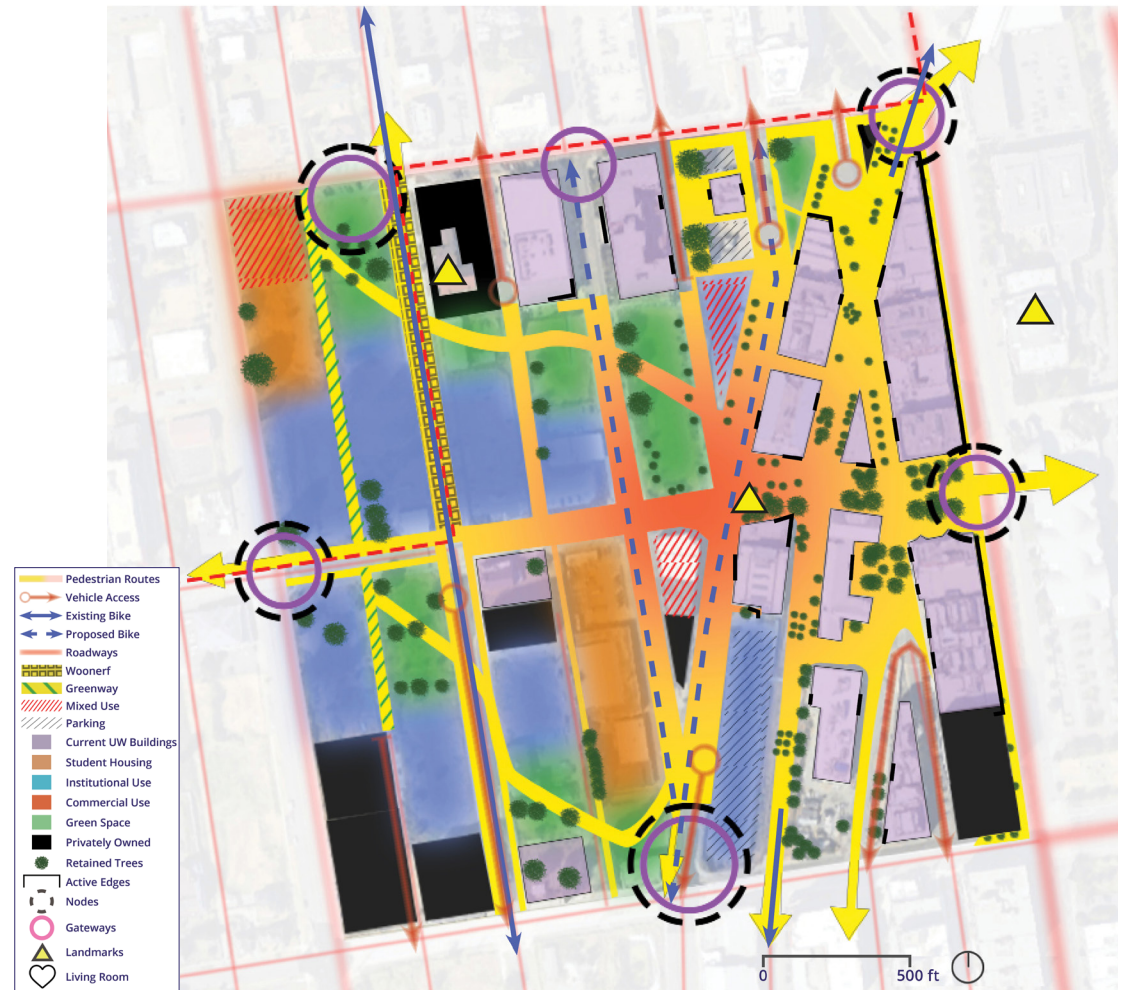


MATTHEW CHASTAIN

Urban Design Approach

Design proposal focus: **pedestrianized campus, reduced parking, green pathways, mixed-use components, a woonerf, and additional housing.**

Focusing on that idea of accessibility helped drive the layout for the new campus. Creating pathways that connect to each section of campus, and not just following the grid pattern of streets, will help create more ADA access that will benefit everyone. Incorporating green spaces along pedestrian paths will create more public spaces, water runoff areas, as well as helping to keep the air clean. Removing vehicle access from the core of the new campus will allow the central area to act as a living room HUB. Allowing more mixed-use will help reduce the need to drive. Implementing a woonerf on the section of Fawcett Ave between 17th and 19th would create a more pedestrianized access point while still allowing emergency vehicle access to the hospital. In order to offer parking, Cragle Lot on the southern side of the university can be converted into multilevel parking, both above and below ground, that can be converted into institutional space in the future as more alternative transportation options are developed.



Proposed Site Plan



Legend

-  Existing buildings
-  Existing and proposed roads
-  Existing and proposed pedestrianized areas
-  Proposed academic buildings
-  Proposed commercial space
-  Proposed student housing
-  Proposed green spaces

Precedents - for illustration of proposed spaces:



Photo: Docksider Green

- 1** Docksider Green
Victoria, BC, Canada
- Green roof/ GSI
- Pedestrian pathway
- Housing access

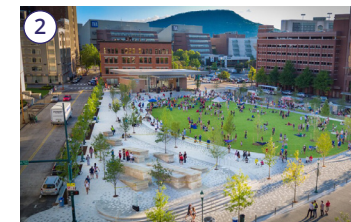


Photo: Eskew+Dumez+Ripple

- 2** Miller Park
Chattanooga, TN
- Green space
- Public access
- Central HUB



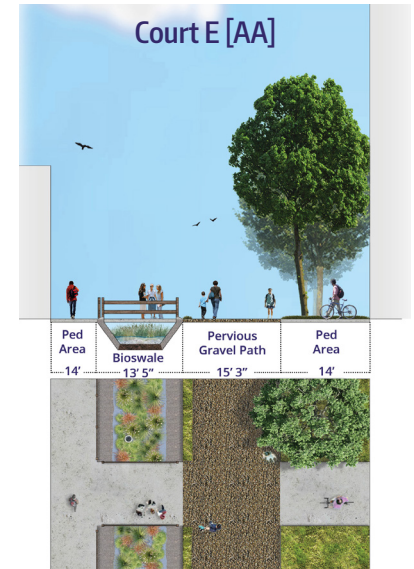
Photo: Bill Hogan

- 3** River Street
Batavia, IL
- Pedestrianized
- ADA access
- Safe mobility

Street Sections & Rendered Street View

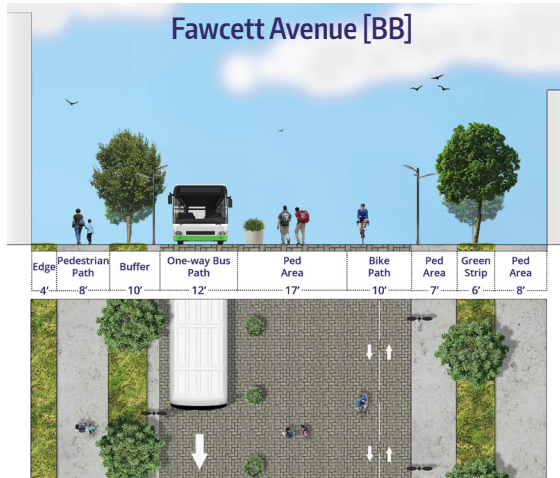
Court E interventions:

- Bioswales
- Pedestrianized
- Trees/greenspaces



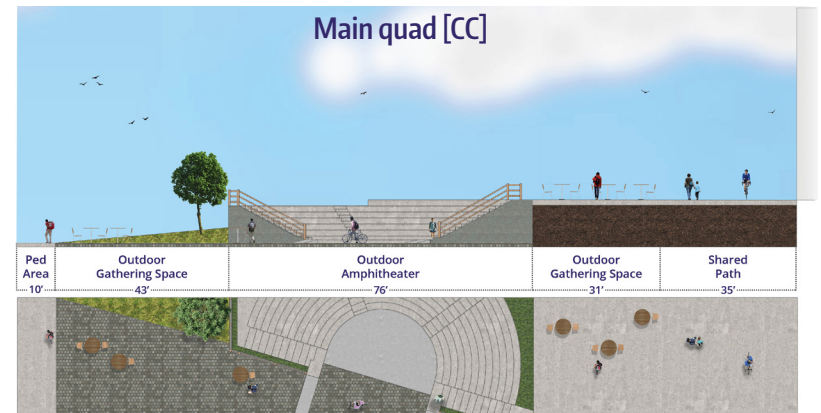
Fawcett Ave interventions:

- Woonerf
- Reduced drive lanes
- Trees



Main quad interventions:

- Pedestrianized
- Amphitheater
- Outdoor seating



Rendered Overhead View

