

Engineering Precinct Expansion

Engagement Summary 1
February 2020



University
of Victoria

Campus Planning
& Sustainability



Introduction

Why We Engage

This project involves large amounts of complex technical information, a condensed design timeline and a desire to inspire the creativity and engagement of the UVic community. UVic's Community Engagement Framework ensures the campus and neighbouring communities are informed throughout the project process and have opportunities to meaningfully share their input to inform the buildings' designs.

As the future users of the Engineering Precinct Expansion, the students, faculty and staff within the Faculty of Engineering and Computer Science are key stakeholders in this project. Beyond the project engagement model outlined in the Community Engagement Framework, these stakeholders will participate in informing design decisions through coursework, academic research and collaborative workshops.

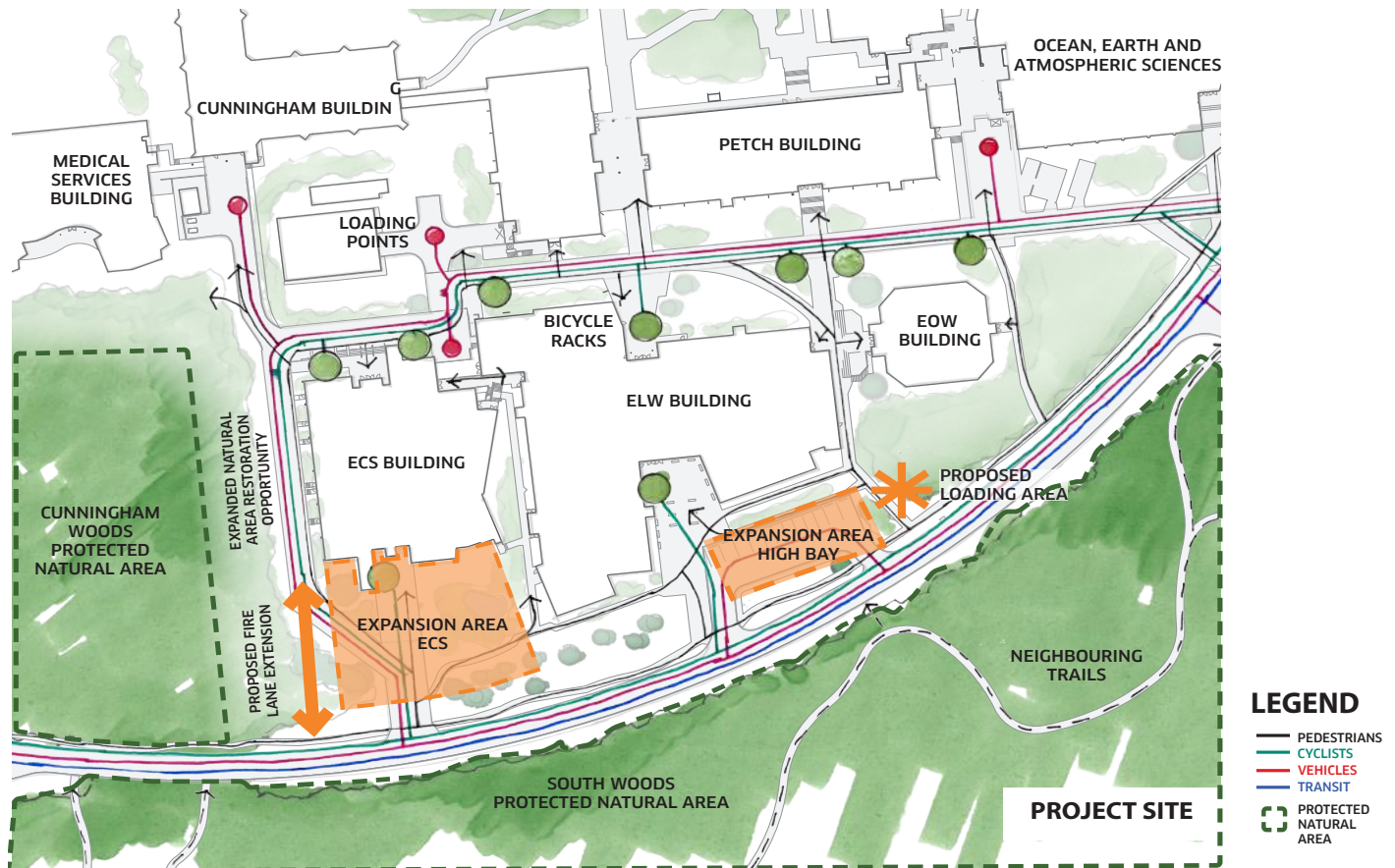
The Process

We are early in the design process for the Engineering Precinct Expansion. Design will continue through 2020, with opportunities for feedback occurring throughout the year.



PROJECT VISION

The Engineering Precinct Expansion will be a beacon of innovation, collaboration and learning for an adaptive and sustainable future.



ABOVE: SITE PLAN

About The Project

The University of Victoria is planning an expansion of the Engineering Computer Science (ECS) Building and a new High Bay Research and Structures Lab to meet the current student demand and expected growth of the Engineering and Computer Science Faculty. Located in the Engineering precinct the project will provide additional design studios and lab spaces along with office and research facilities.

UVic's Engineering precinct includes the Engineering Office Wing (EOW), Engineering Lab Wing (ELW) and the ECS building. Existing space limitations have resulted in the faculty creating temporary lab and design studios across campus. By expanding the precinct, UVic will be able to consolidate these temporary facilities into new, purpose-built facilities and continue to provide a dynamic learning environment. The project supports the faculty's goal to construct facilities at the forefront of green building design.

How We Engaged

Spreading the Word

Engagement activities were promoted across campus to raise broad awareness of the project and opportunities to get involved.

Promotion included:

- Posts online through the project webpage and across UVic, Faculty of Engineering and the Office of Campus Planning and Sustainability social media channels;
- 250 posters posted on campus community boards and sent directly to each department;
- Digital signage across campus;
- Notices on the UVic events webpage and in the Campus Checklist, a newsletter to all staff and faculty;
- Email invitations to Engineering Students' Society and Engineering student clubs and groups; and,
- Email invitations to Community Association Liaison Committee to share amongst their networks.

Student Research



30+



ONGOING

Students from the Faculty of Engineering and Computer Science are participating in two capstone projects and two courses to complete sustainability analyses that will support the design development of the ECS expansion and High Bay Research and Structures Lab.

The design team will explore continued opportunities for student learning throughout the design development phase.



STAKEHOLDER
WORKSHOPS

ONGOING



STUDENT
RESEARCH

ONGOING



OPEN
HOUSES

FEBRUARY
MARCH



APPROVALS

ONGOING

Development Approvals
from District of Oak Bay



MEETINGS

ONGOING

CALC, UVic
Leadership and the
District of Oak Bay



ABOVE: POP-UP DISPLAYS

Pop-Up Displays

 70

 JANUARY

Pop-up displays were set up in the ECS and ELW buildings over two hours on January 23rd 2020. Visitors to the displays were invited to indicate their preferred interior design examples using sticky dots on precedent images.

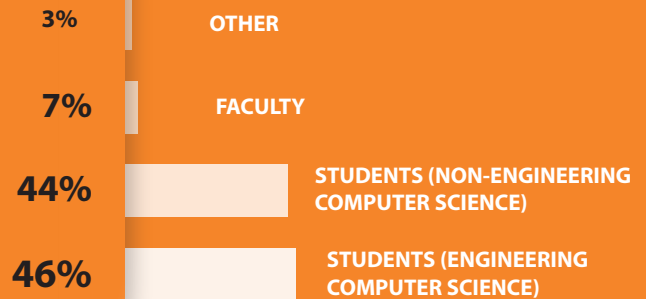
Materials can be viewed in the Appendix

Participant Profile

300+

Over 300 people participated in our engagement events.

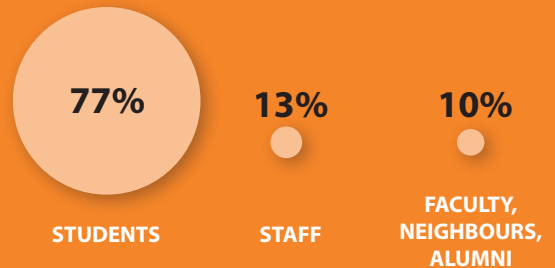
POP-UP DISPLAYS



OPEN HOUSE: ECS



OPEN HOUSE: LIBRARY



We asked participants to share their relationship to UVic with us. Fewer participants answered this question than attended the event. Nonetheless, this paints a picture of who our open houses reached.



ABOVE: OPEN HOUSE IN THE MCPHERSON LIBRARY

Open Houses



250+



FEBRUARY

The project's broad public launch took place on February 12th, 2020 in the form of two, two-hour open houses. The first was within the ECS building, the second was in the McPherson Library. The purpose of the open houses was twofold. First, to inform about the project including its timeline, program, project vision and ways student learning will be

informing the design process and second, to consult on site principles, sustainability strategies, and hear about what the UVic community would like to see in the project. Visitors to the open houses were invited to use sticky notes and dots to provide comment and feedback on interactive panels.

Materials can be viewed in the Appendix



ABOVE: OPEN HOUSE IN THE ENGINEERING AND COMPUTER SCIENCE BUILDING

What We Heard

Over 300 people participated in the engagement activities, most of which were current students.

While the majority of students engaged in the ELW building were from the Faculty of Engineering and Computer Science, those engaged in the ECS and the McPherson Library were from a variety of different disciplines.

Over the course of the engagement activities, a few themes emerged. We heard a need for: spaces that support wellness by exposing natural light and greenery; improved end-of-trip facilities including lockers, covered bike storage and safe pathways; and, the need for spaces that support collaborative student work. These themes have been expanded upon and separated below to align with where they were heard on campus.

Faculty of Engineering and Computer Science



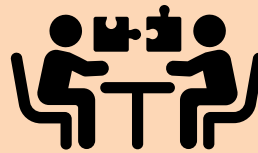
WELLNESS

Participants strongly favoured spaces that support wellness. For them, this includes natural light exposure, indoor plants, and access to food.



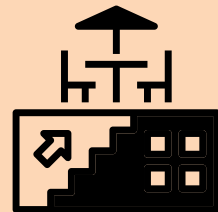
END-OF-TRIP FACILITIES

End-of-trip facilities that include covered bike parking, lockers, and showers in a location more secluded than the current area were a priority for many participants.



COLLABORATION SPACES

Collaboration spaces including informal work areas (for instance lounges with white boards) and group study areas were preferred by many participants.

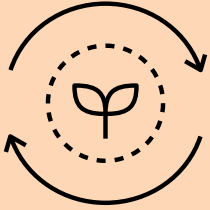


ROOFTOP ACCESS

Many participants were excited by rooftop access. Some for the potential of experiential learning opportunities.

UVic Community & University Neighbours

We also heard comments beyond the scope of this project, including a significant desire for more space for clubs and design teams, and concerns about recent tree removal associated with other projects on campus.



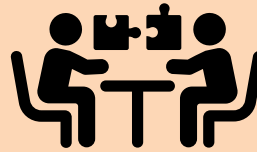
SUSTAINABILITY

Participants indicated interest in restoring ecological systems and exploring renewable energy opportunities.



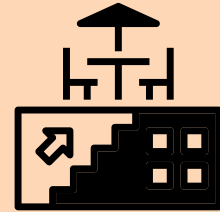
END-OF-TRIP FACILITIES

Covered bike parking and end-of-trip facilities like showers and lockers are a priority shared by the broad UVic community.



COLLABORATION SPACES

Collaboration spaces - group study areas in particular - were preferred by many participants.



OUTDOOR AREAS

Participants indicated interest in having outdoor areas to work and study, and access to rooftops.

Representative Comments

"Covered bike spaces will attract people to [the Ring Road side] of the building"

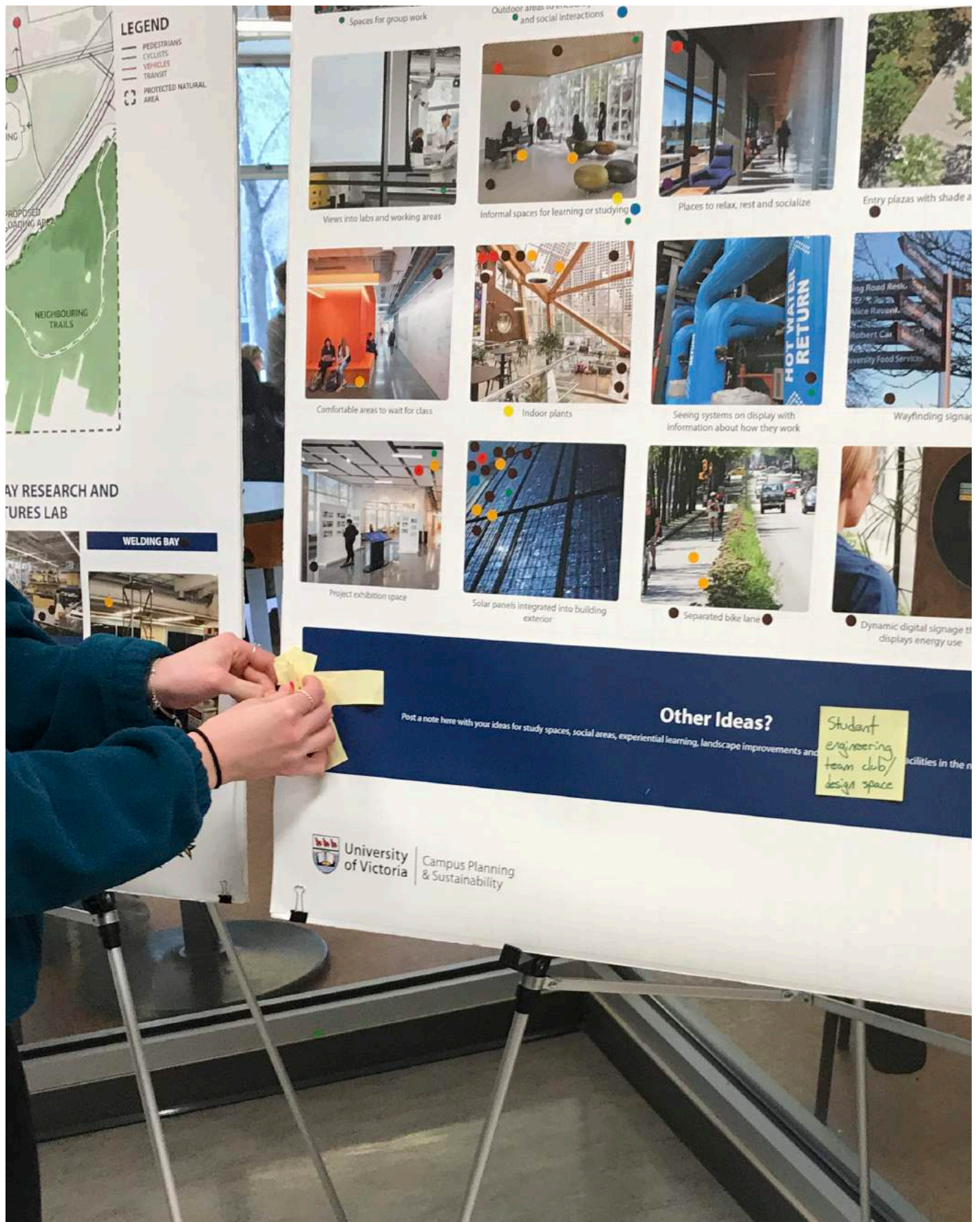
"Make sure to keep lots of natural light"

"Spaces for group work: more club space, technical work areas, especially more space for machine shop"

Next Steps

Feedback will be used to inform the final design concept for the ECS Expansion and High Bay Research and Structures Lab. Design development will continue throughout 2020, with further opportunities to engage in March.





ABOVE: PARTICIPANT LEAVING A COMMENT AT THE OPEN HOUSE IN MCPHERSON LIBRARY



Appendix

Pop-Up Display Boards

ENGINEERING PRECINCT EXPANSION

WHAT'S HAPPENING

The university is planning an expansion of the engineering precinct!

WHY?

UVic's engineering precinct includes the Engineering Office Wing, Engineering Lab Wing and Engineering Computer Science building. Existing space limitations have resulted in the faculty creating temporary lab spaces in buildings, trailers and Sea-Can containers across campus.

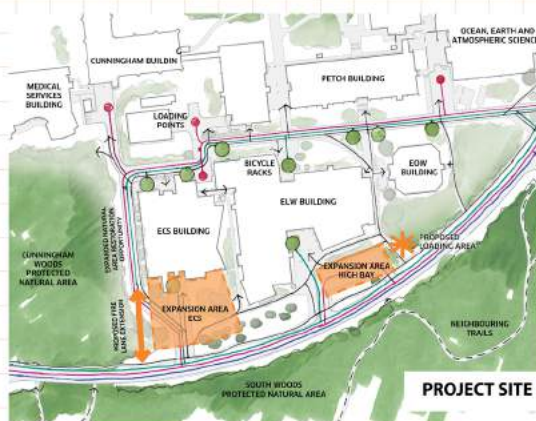
WHAT'S INCLUDED?

The project includes the expansion of the Engineering Computer Science Building and a new High Bay Research and Structures lab.

WHAT WILL CHANGE?

The project will:

- Provide additional design studios, laboratory, office and research facilities
- Support the faculty's vision to construct facilities at the forefront of new green building design
- Consolidate temporary facilities into new purpose built facilities
- Continue to provide a dynamic learning environment
- Facilitate greater student and faculty interactions and support interdisciplinary activities



HEARING FROM YOU

Your input is valued! Student research is currently underway to inform the sustainability outcomes of the Expansion.

Your feedback today will be used to refine concepts for the new buildings.

Further opportunities to offer input will be provided in February and March.



STAKEHOLDER
WORKSHOPS
ONGOING



STUDENT
RESEARCH
ONGOING



OPEN
HOUSES
FEBRUARY
MARCH

PROJECT TIMELINE

This project will take place in four phases over three years. There will be opportunities for you to inform the design process in 2020.



FIND OUT MORE

uvic.ca/engineeringexpansion

[re] engineering our future



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WHAT WOULD YOU LIKE TO SEE IN THE ENGINEERING PRECINCT?

WHAT RESONATES WITH YOU? MARK IT WITH A DOT: ●



Spaces for group work



Outdoor areas to encourage academic and social interactions



Interpretive signage and displays



Views into labs and working areas



Informal spaces for learning or studying



Places to relax, rest and socialize



Comfortable areas to wait for class



Indoor plants



Seeing systems on display with information about how they work



Project exhibition space



Post a note here with your ideas for study spaces, social areas, experiential learning and end-of-trip cycling facilities in the new buildings

[re] engineering our future



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Open House Boards

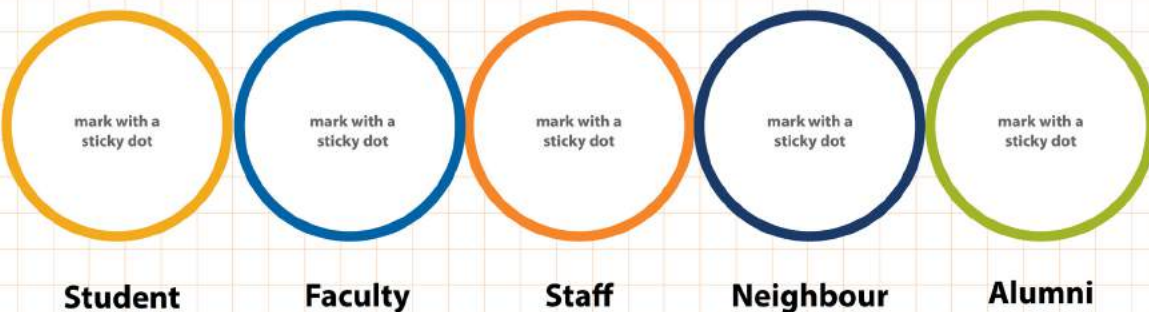
We acknowledge with respect the Lekwungen peoples on whose traditional territory the university stands and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.

WELCOME!

THIS IS THE FIRST OPEN HOUSE FOR THE THE ENGINEERING PRECINCT EXPANSION!

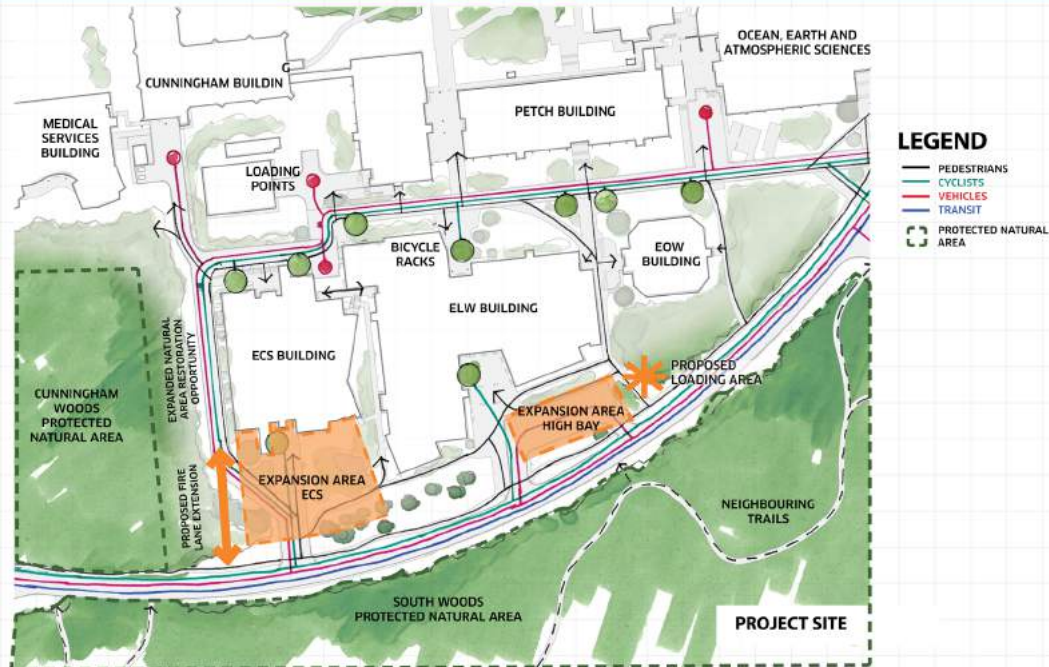
TODAY WE ARE SEEKING YOUR INPUT ON ASPECTS OF THE PROJECT'S DESIGN ELEMENTS. THE FOLLOWING PANELS HAVE PROMPTS FOR YOU TO SHARE YOUR FEEDBACK AND IDEAS.

WHAT'S YOUR RELATIONSHIP TO UVIC?



PROJECT INTRODUCTION

1



WHY IS THE PRECINCT EXPANDING?

UVic's engineering precinct includes the Engineering Office Wing, Engineering Lab Wing and Engineering Computer Science building. Existing space limitations have resulted in the faculty creating temporary lab spaces in buildings, trailers and Sea-Can containers across campus.

The project will create necessary space for students, faculty and staff, enhancing the extraordinary academic environment.

WHAT'S INCLUDED IN THE EXPANSION?

The project includes the 6-storey addition to the ECS building and a new High Bay Research and Structures lab.

The facilities will balance the need for flexibility and purpose-built spaces required by researchers. The buildings will be designed with some generic space modules that can be used by a variety of researchers while also providing purpose-built lab space with specialized equipment and infrastructure.

THE PROJECT WILL:

- Provide additional design studios, laboratory, office and research facilities including a laboratory space for the testing of steel and concrete structures.
- Support the faculty's vision to construct facilities at the forefront of new green building design
- Consolidate temporary facilities into new purpose-built facilities
- Continue to provide a dynamic learning environment
- Facilitate greater student and faculty interactions and support interdisciplinary activities

FIND OUT MORE!

uvic.ca/engineeringexpansion

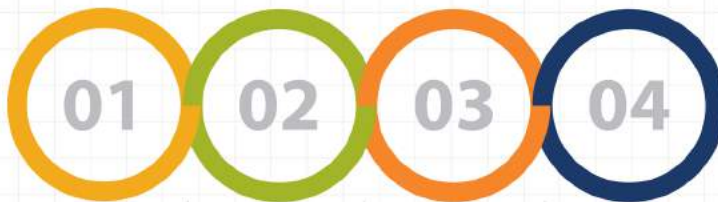


ABOUT THE PROCESS

2

ENGAGEMENT

The engagement process will follow the university's **Community Engagement Framework** as well as the engagement direction set by the **Campus Plan**, both developed through extensive engagement with students, faculty, staff and neighbouring residents.



PLANNING	DESIGN	CONSTRUCTION	COMPLETION
2019	2020	2021-2023	2023

WE ARE HERE

THE PROCESS

We are at the beginning of the design process. Design will continue throughout 2020, with opportunities for feedback occurring through the year.

GET INVOLVED!

We want to hear from students, faculty, community members and stakeholders to help shape the plans for the engineering precinct expansion.



FIND OUT MORE!

uvic.ca/engineeringexpansion



BRINGING THE CAMPUS PLAN TO LIFE

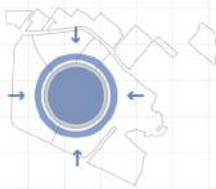
3

SPIRIT OF PLACE

The project will recognize Spirit of Place through incorporating environmental strategies, featuring local solutions and partnerships and demonstrating the use of local innovative wood-based solutions.

THE CAMPUS PLAN BIG MOVES

The Campus Plan Big Moves are design strategies that bring the university's vision, goals and principles to life. This project supports:



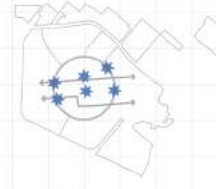
COMPACT CAMPUS

- Focus new development within and near Ring Road to promote synergies between the expansion and existing buildings



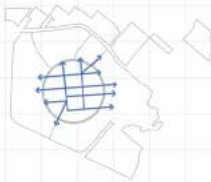
CONNECTING TO NATURE

- Conserve and enhance natural areas to minimize impacts from building developments



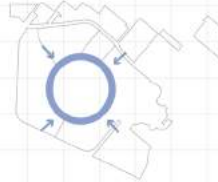
CENTRES OF ANIMATION

- Create new activity hubs to support diverse activities and animate building frontages



A RENEWED COMMITMENT TO WALKABILITY

- Make campus an even better campus for walking
- Link proposed walkways with existing pedestrian network and activity hubs



RING ROAD AS A PEOPLE PLACE

- Make Ring Road an animated place for walking, cycling, socializing and more
- Orient buildings' active spaces and entrances to Ring Road



ENHANCE CYCLING AND TRANSIT

- Make cycling and transit use enjoyable by enhancing safety and convenience
- Prioritize active modes of transportation

CAMPUS CYCLING PLAN, 2019

The expansion will support improvements to the campus' cycling network including allowing for the 3.0 m separated bi-directional cycling path along Ring Road and providing safe and secure end-of-trip facilities.



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PROJECT APPROACH

4

PROJECT VISION

A project vision is a tool for values-based decisions throughout the design process. The project vision is that:

The Engineering Precinct Expansion will be a beacon of innovation, collaboration and learning for an adaptive and sustainable future.

SITE-WIDE PRINCIPLES



Orient primary frontages along Ring Road to create an engaged pedestrian realm

Your ideas here!



Visually unite the precinct with signage, landscape features and plantings

Your ideas here!



Create visual interest to evoke a sense of arrival to the engineering precinct

Your ideas here!



Design new paths to enhance and connect pedestrian and cycling routes

Your ideas here!



Maximize potential to restore natural landscapes with Indigenous plantings

Your ideas here!



Replace each tree removed with three new trees on campus



Setback the buildings from Ring Road to implement the Campus Cycling Plan's pathway improvements

**What do you like?
What are we missing?**



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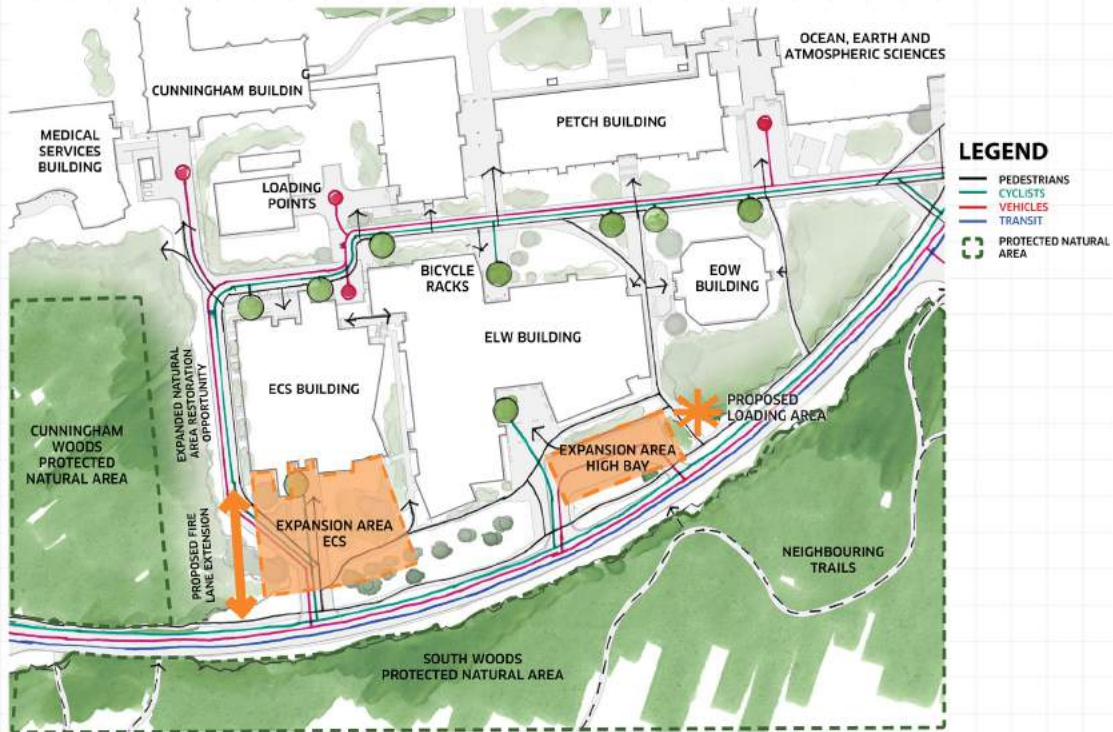
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WHAT'S INCLUDED

5

WHERE IT WILL BE LOCATED



WHAT'S INCLUDED

ECS EXPANSION



COMPUTATIONAL RESEARCH LABS

MATERIALS LAB

GEOTECHNICAL LABS

GRADUATE STUDENT WORKSTATIONS

ENVIRONMENTAL AND HYDRAULICS LABS

BUILDING SCIENCE LABS



COMPUTER LABS

FACULTY COLLABORATION SPACE

CIVIL ENGINEERING DEPARTMENT OFFICE SPACE

HIGH BAY RESEARCH AND STRUCTURES LAB



WELDING BAY



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WHAT WOULD YOU LIKE TO SEE IN THE EXPANSION?

6

WHAT RESONATES WITH YOU? MARK IT WITH A DOT: ●



Spaces for group work



Outdoor areas to encourage academic and social interactions



Interpretive signage and displays



Outdoor seating



Urban ecological system



Views into labs and working areas



Informal spaces for learning or studying



Places to relax, rest and socialize



Entry plazas with shade and places to sit



Building courtyards



Comfortable areas to wait for class



Indoor plants



Seeing systems on display with information about how they work



Wayfinding signage



Visible stormwater management



Project exhibition space



Solar panels integrated into building exterior



Separated bike lane



Dynamic digital signage that displays energy use



Rooftop access

Other Ideas?

Post a note here with your ideas for study spaces, social areas, experiential learning, landscape improvements and end-of trip cycling facilities in the new buildings



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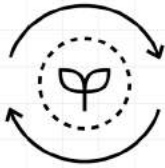


SUSTAINABILITY

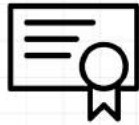
7

SUSTAINABILITY APPROACH

The project is informed by the university's Sustainability Action Plan and best practices for environmental stewardship and management. In addition, student research is currently underway to inform the sustainability features of the buildings. While specific strategies have not yet been confirmed, each design option will take the following approach:



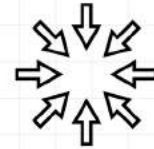
Regenerative Design



LEED Gold V4 Buildings



Active Transportation



Compact Growth



Stormwater Management



Restoration of Natural Ecosystems



Mass Timber Construction

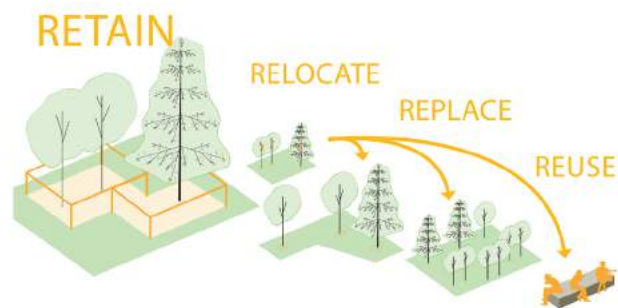


Energy Efficiency

ENVIRONMENTAL STEWARDSHIP STRATEGY

This strategy is employed to maximize the opportunity to reuse and replace any trees that are removed as required by this project. We commit to:

- Replace a removed tree with three new trees on campus
- Where possible, relocate removed trees or reuse the wood in the building and/or gift the wood to local Indigenous communities
- Work directly with local Indigenous communities to ensure cultural and ceremonial processes are followed prior to any tree removal



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TRANSPORTATION

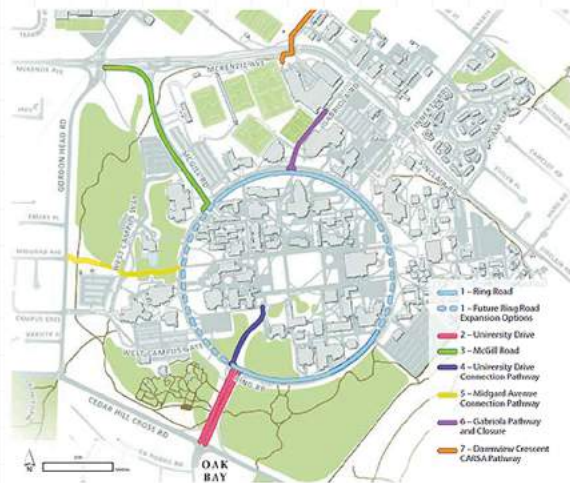
8

VEHICLES & PARKING

- The university has engaged a transportation engineer to conduct a comprehensive review of the university's current parking supply as well as future parking demand.
- More details will be shared at the Open House in March

CYCLING PLAN

In addition to improving walking and cycling connections on campus, this project will help to implement UVic's new Cycling Plan and include covered and uncovered outdoor parking as well as secure indoor bike parking.



Proposed locations for bicycle parking improvements (UVic Campus Cycling Plan, 2019)



Uncovered Bike Parking



Secure Indoor Bike Parking



Covered Bike Parking



End of Trip Facilities

SUSTAINABLE TRANSPORTATION

Support the University's sustainability goals, UVic provides a number of alternative travel programs, initiatives, and support systems.



BICYCLE UPCYCLING AND LOAN PROGRAM

SPOKES provides low-cost, long or short term bike rentals.



CAMPUS BIKE CENTRE

The Centre provides covered bike parking, equipment lockers, benches and a space for the SPOKES bicycle program.



PUBLIC TRANSIT

U-Pass provides students with unlimited access to Victoria region public transit.



UVIC EMPLOYEE BUS PASS PROGRAM

The program offers more than 50% off the regular price of taking transit.

Tell us what you think!



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THANK YOU!

**YOUR FEEDBACK WILL BE USED TO INFORM
A PREFERRED CONCEPT FOR THE PRECINCT
EXPANSION.**

**WE WILL COMPILE YOUR FEEDBACK INTO AN
ENGAGEMENT SUMMARY IN EARLY MARCH
AND WILL BE HOSTING ANOTHER **OPEN HOUSE**
IN LATE MARCH.**

SEE YOU THERE!

Do you have any other ideas to share?



Your ideas here!

FIND OUT MORE!

uvic.ca/engineeringexpansion



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