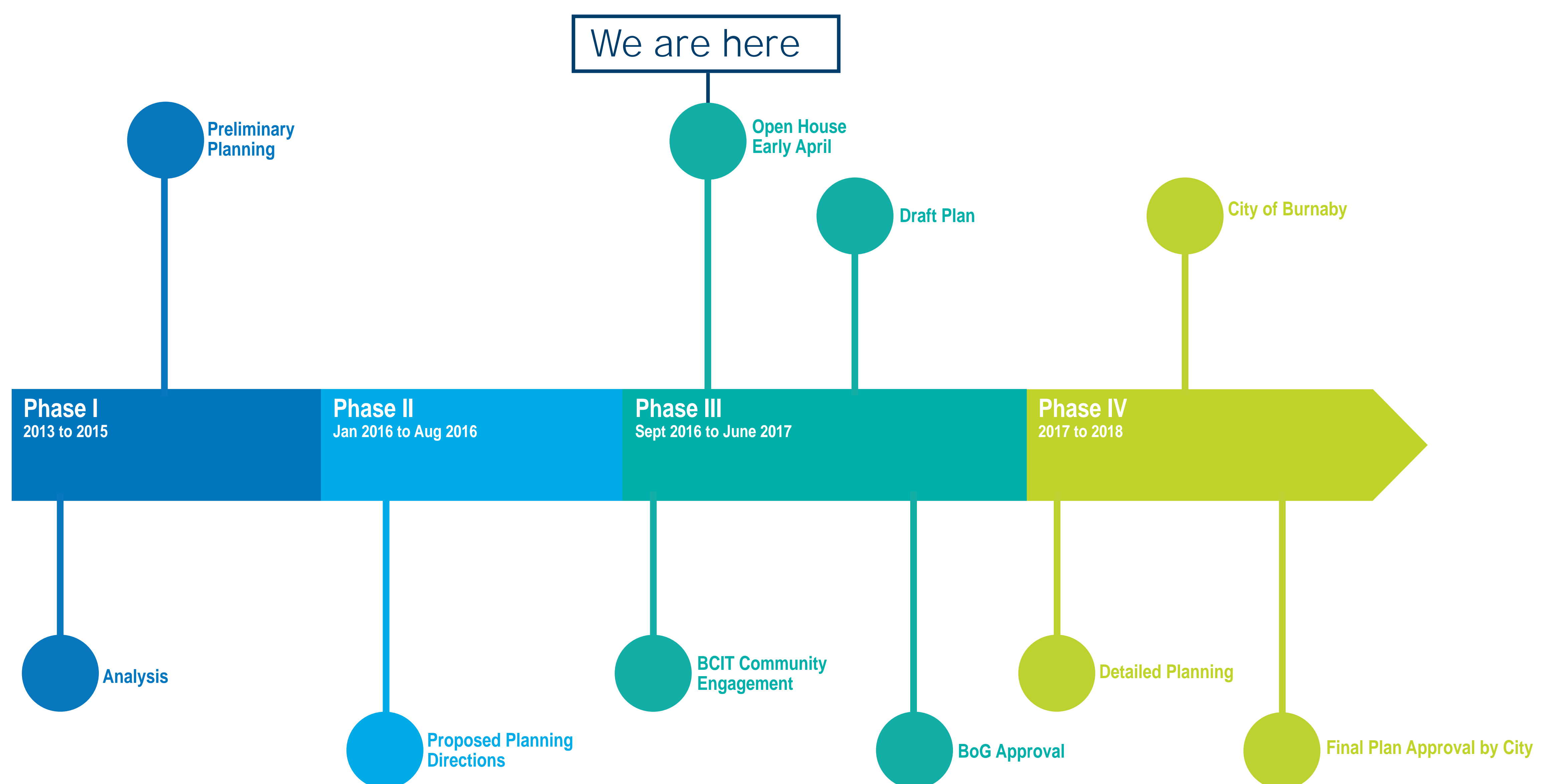


WELCOME

A Plan for a Better BCIT

The Campus Plan will guide the evolution of the campus to become a vibrant, urban place that supports innovation and collaboration, provides a better environment and experience for students and **staff, and enhances the profile of the institution. We want your input on key proposed elements of the Campus Plan.**

The Planning Process



This Open House

This open house presents the core elements of the **proposed plan.**

PLEASE review the material and fill out a comment sheet.

You can also email comments to:
campusplan@bcit.ca

In the next step in the process, the planning team will produce a full draft Campus Plan that **incorporates your input.**



GOALS

The Campus Plan aims to create a better place for learning, working, and living so that BCIT provides the best possible polytechnic education and campus experience.

A Campus of Innovation and Collaboration

Create an environment and culture that foster innovation, collaboration, and **entrepreneurship**.



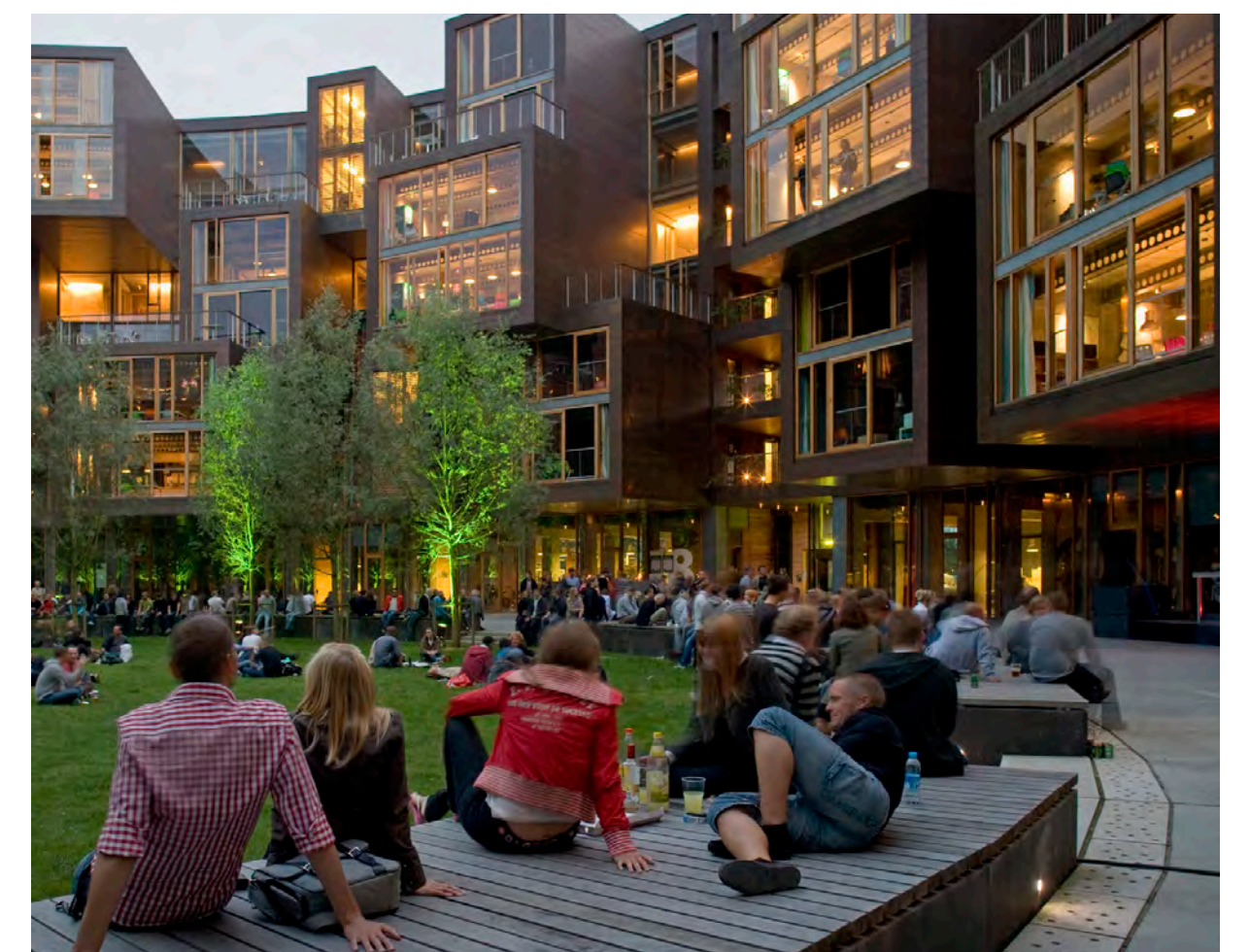
The Living Campus

Add student housing, retail, recreation facilities, open spaces, and other amenities to make the campus more **vibrant and livable**.



The Connected Campus

Improve connections with the surrounding business community by adding features that draw people onto **the campus**. Improve connections within the BCIT community with enhanced digital infrastructure, new apps that support student learning and living, and streetscapes that are attractive, safe, and **enjoyable**.



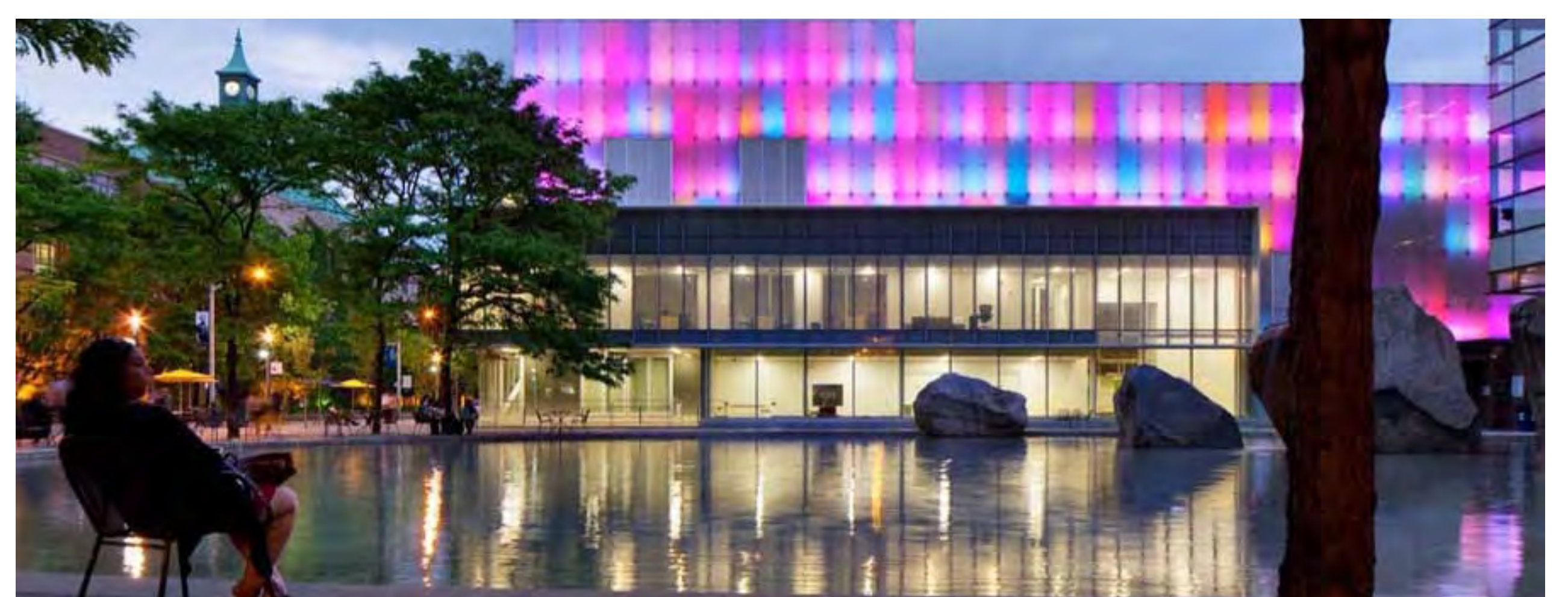
The Sustainable Campus

Increase transit and cycling and reduce **single-occupant vehicle trips**. Adopt targets and guidelines for sustainable **buildings and infrastructure**. Improve recycling and waste management **systems**. Increase use of **renewable energy**. Daylight the northern portions of **Guichon Creek**.



The Visible Campus

Open up the campus to the outside world. Design new buildings to showcase what is special about BCIT and what goes on inside. Develop prominent sites with exciting buildings that increase BCIT's profile. Make on-campus wayfinding easier.



The Adaptive Campus

Create **flexible indoor and outdoor spaces that can adapt to new requirements**. Provide opportunities for demonstration **projects, exhibits, and special events**.



STRATEGIES

How Do We Get There?

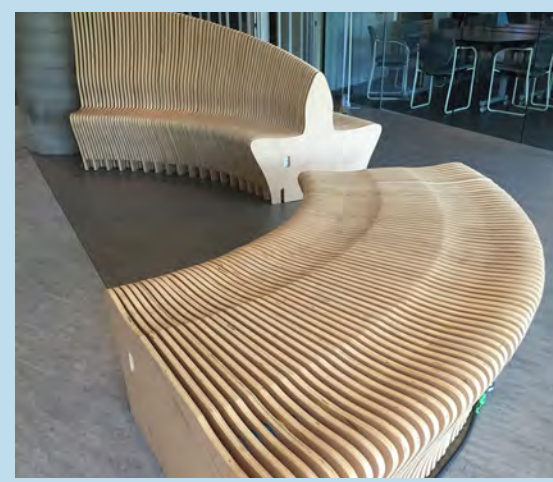
To achieve the goals, BCIT proposes seven coordinated strategies. Three of these strategies deal with enhancing the educational experience and four of these deal with how we build the campus and how we use it.

Education Framework



- **Directions for program design, clustering programs, collaboration across programs and schools.**

Technology and Digital Infrastructure



- Improve in-class technology and campus WiFi
- Increase power supply for personal devices
- Improve online course material
- **Design apps for scheduling meetings and booking rooms.**

Innovation and Collaboration



- Build relationships with industry and attract partners to the campus
- Cluster programs to foster interaction
- **Design programs and schedules to encourage collaboration**
- **Support student projects and clubs to promote collaboration.**

Campus Plan



- Focus facilities and housing in a higher density, walkable core
- Create a framework of pedestrian/bike routes, vehicular routes, and open spaces
- **Define unique character areas within the campus**
- Accommodate a variety of industry partners
- Add amenities that make the campus more interesting and draw in the broader community
- Retain the natural part of Guichon Creek and daylight the northern portion through the campus core
- Adopt design guidelines for new buildings
- Provide spaces, furniture, equipment that make working together **easy.**

Housing



- Build more student housing on campus
- **Develop mixed-use housing in the campus core near amenities and transit**
- **Consider rental housing for faculty and staff.**

Transportation



- Improve transit and biking options, reducing reliance on single occupant vehicles
- **Design programs and apps to support transit use, ride share, car share**
- Plan for new technologies (such as autonomous vehicles) that will change the way people travel
- **Reduce the demand for on-campus parking.**

Sustainability



- Adopt guidelines and targets for sustainable buildings and landscaping
- Improve recycling and waste management
- **Design green infrastructure**
- More use of renewable energy
- **Evaluate potential for a district energy system.**

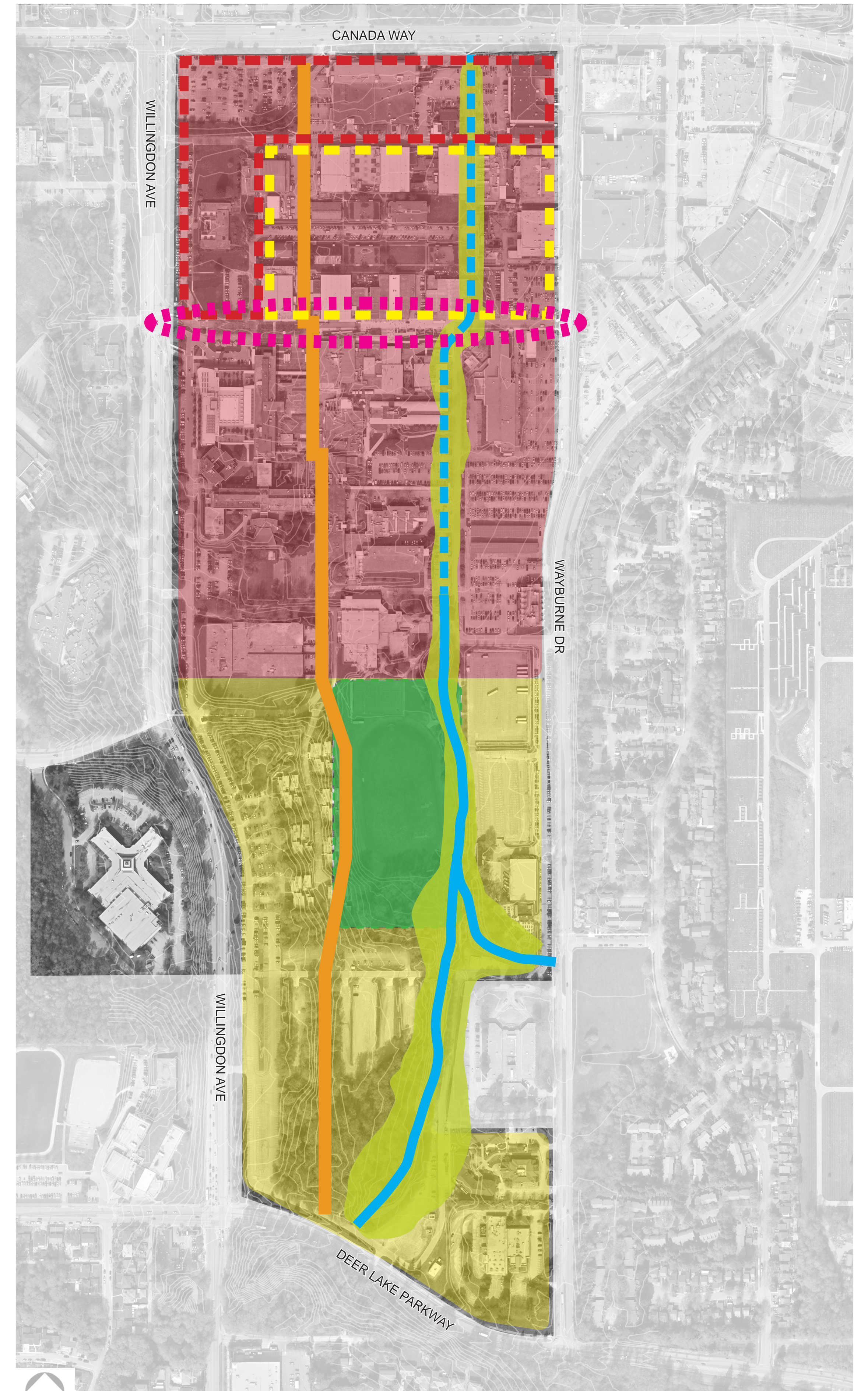


campus
plan

CAMPUS PLAN

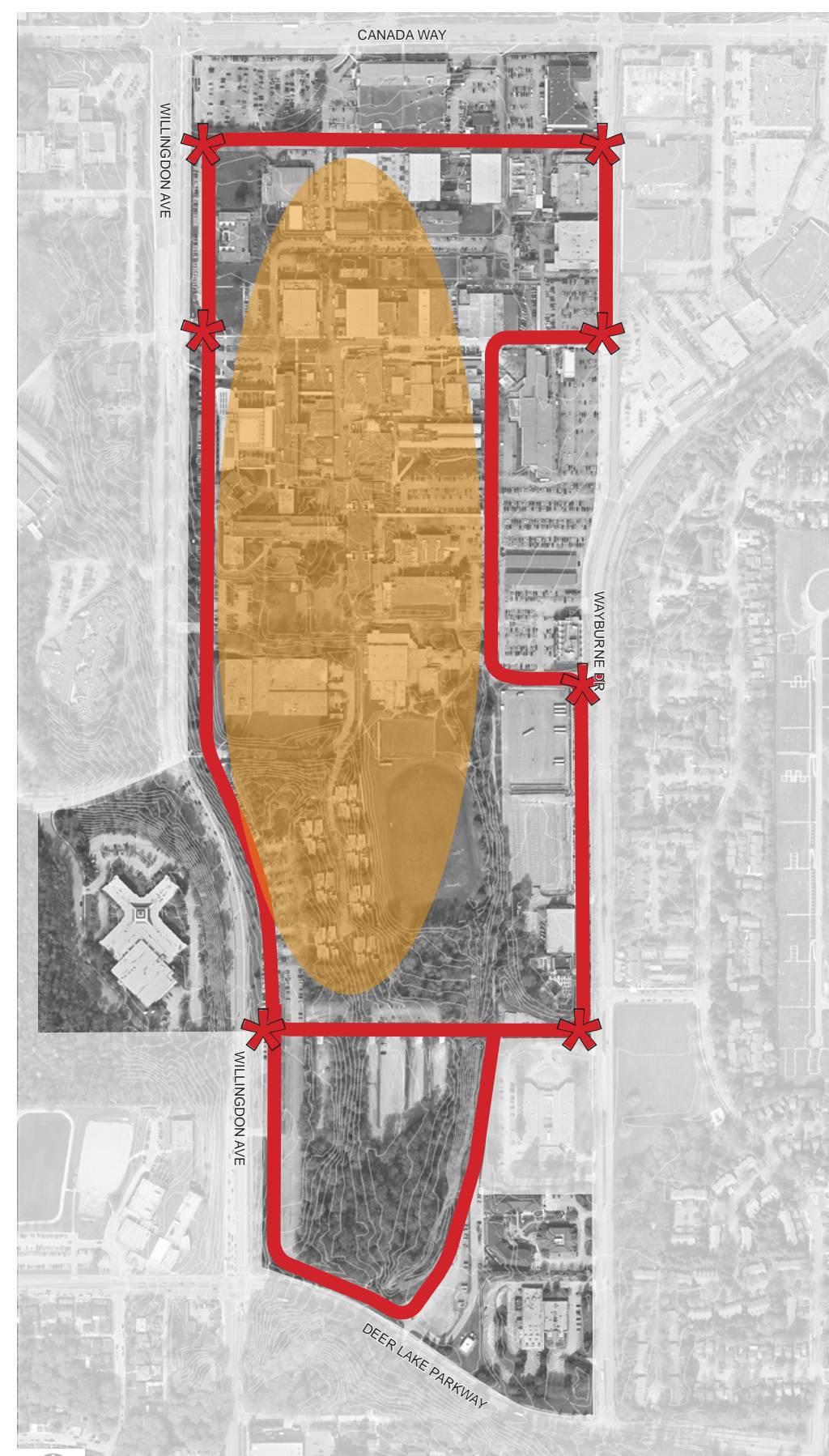
The Campus Plan has these main elements:

- A high density mixed use core made up of the area from Canada Way south to the Rec **Centre. This is the area in which most new BCIT facilities, student housing, and industry partner space will be concentrated. This area is within a 5 minute walk from main transit stops.**
- A loop road that provides vehicular access to all parts of the campus and parking, while **maintaining a central pedestrian-friendly core.** Service and emergency vehicles will have **access to the core.**
- A system of pedestrian/bike ways that links the **whole campus.**
- A system of natural and urban open spaces that provide a wide variety of places to gather or **relax.**
- Retention of the natural part of Guichon Creek and daylighting the northern part through **the campus core. The northern part will be an urban waterway with adjacent pedestrian walkways.**
- **Distinct character areas for clustering uses and facilities. The character areas will create diversity on the campus, meet specific program requirements, and increase BCIT's appeal to the surrounding community. These character areas include the Yard, the Crossroads, and the Goard Gateway.**
- South Campus area will provide for long term BCIT expansion, space for any industry partners **that need large sites and extensive floor area,** and possibly areas for family-oriented faculty/ **staff/student housing.**
- Relocation of the operations in the CARI facility into the main campus and possible disposition **of the CARI lands.**



FRAMEWORK

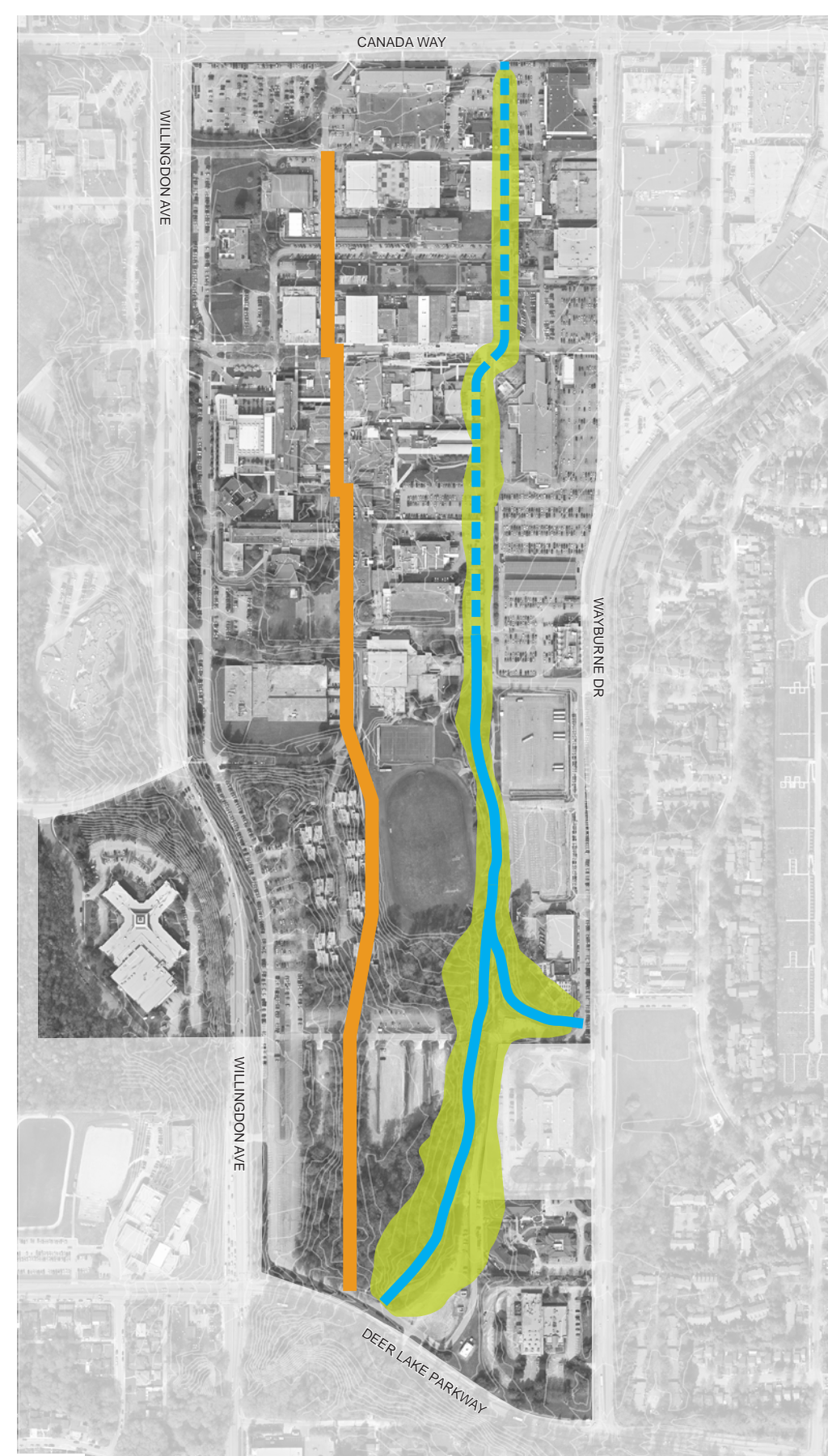
The Campus Plan will provide a framework of circulation routes for pedestrians, cyclists, and vehicles, major and minor social spaces, green commons and the **Guichon Creek system**. It also identifies where new buildings will be located over time, replacing older buildings or parking lots.



1. Loop Road

The central part of the campus will be primarily for pedestrians with vehicles entering and parking around the periphery of the **campus**.

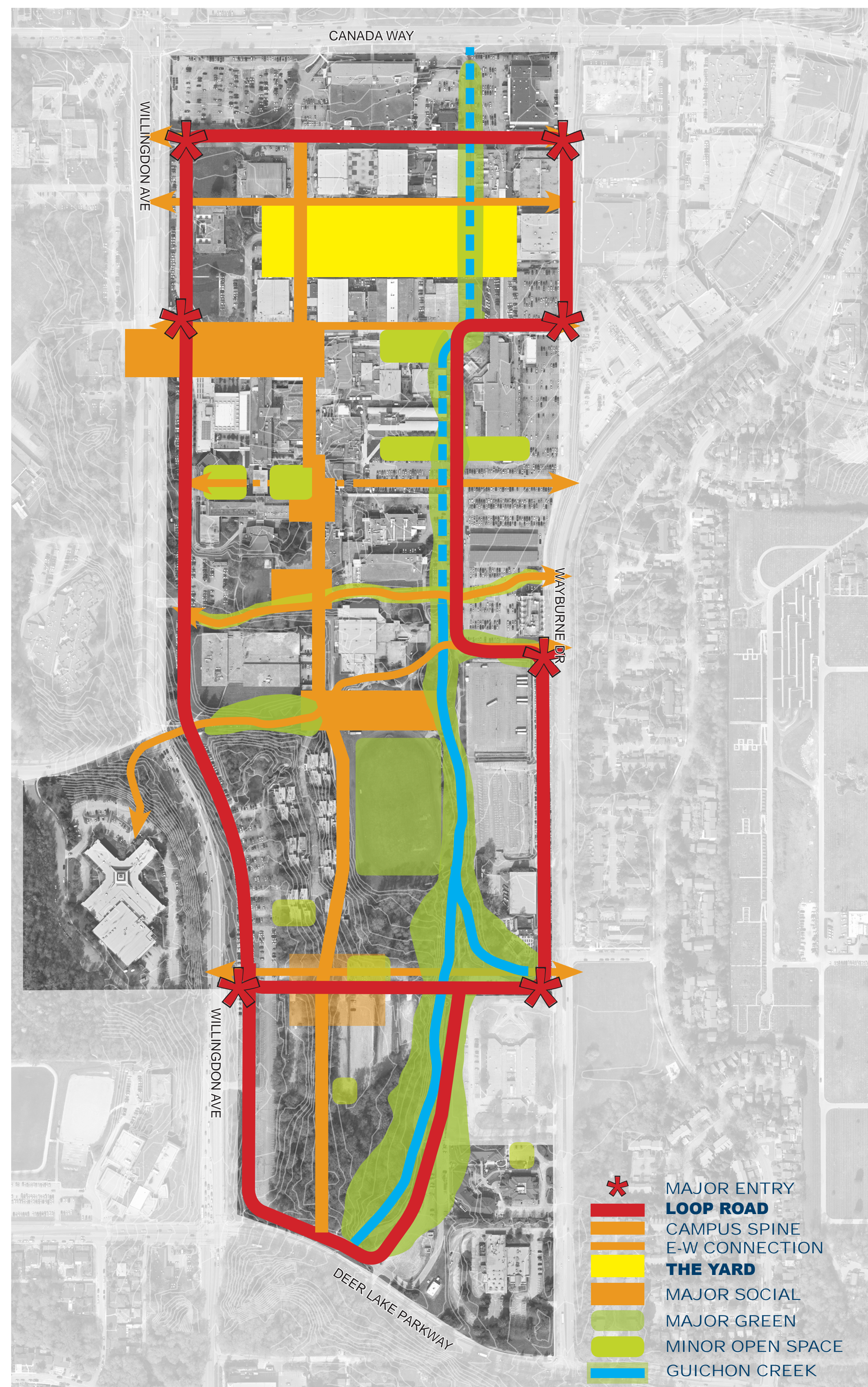
LOOP ROAD
MAJOR ENTRY
PEDESTRIAN FRIENDLY CORE



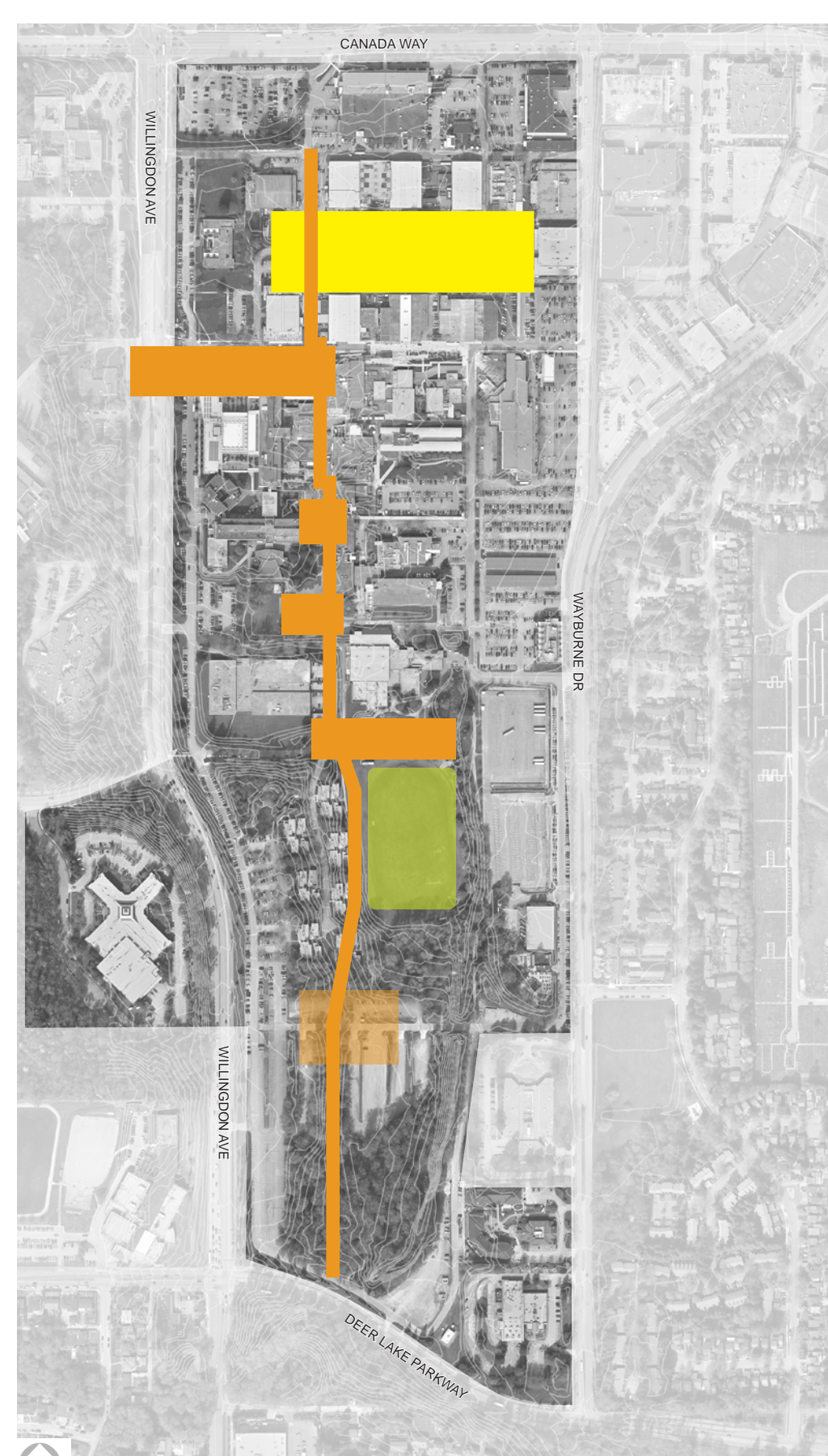
2. Two North - South Spines

Two major pedestrian routes connect from north to south: the Campus Spine with an urban character and the Guichon Corridor with a **green character**.

CAMPUS SPINE
• LINKS SOCIAL + RETAIL SPACES
• URBAN + VIBRANT
GUICHON CREEK
• NATURAL ZONE
• RIPARIAN
• ESA
• CANAL ZONE
• URBAN
• ENVIRONMENTAL VALUE
• CONTINUOUS PATHWAY
• BRIDGES AS ICONIC ELEMENTS



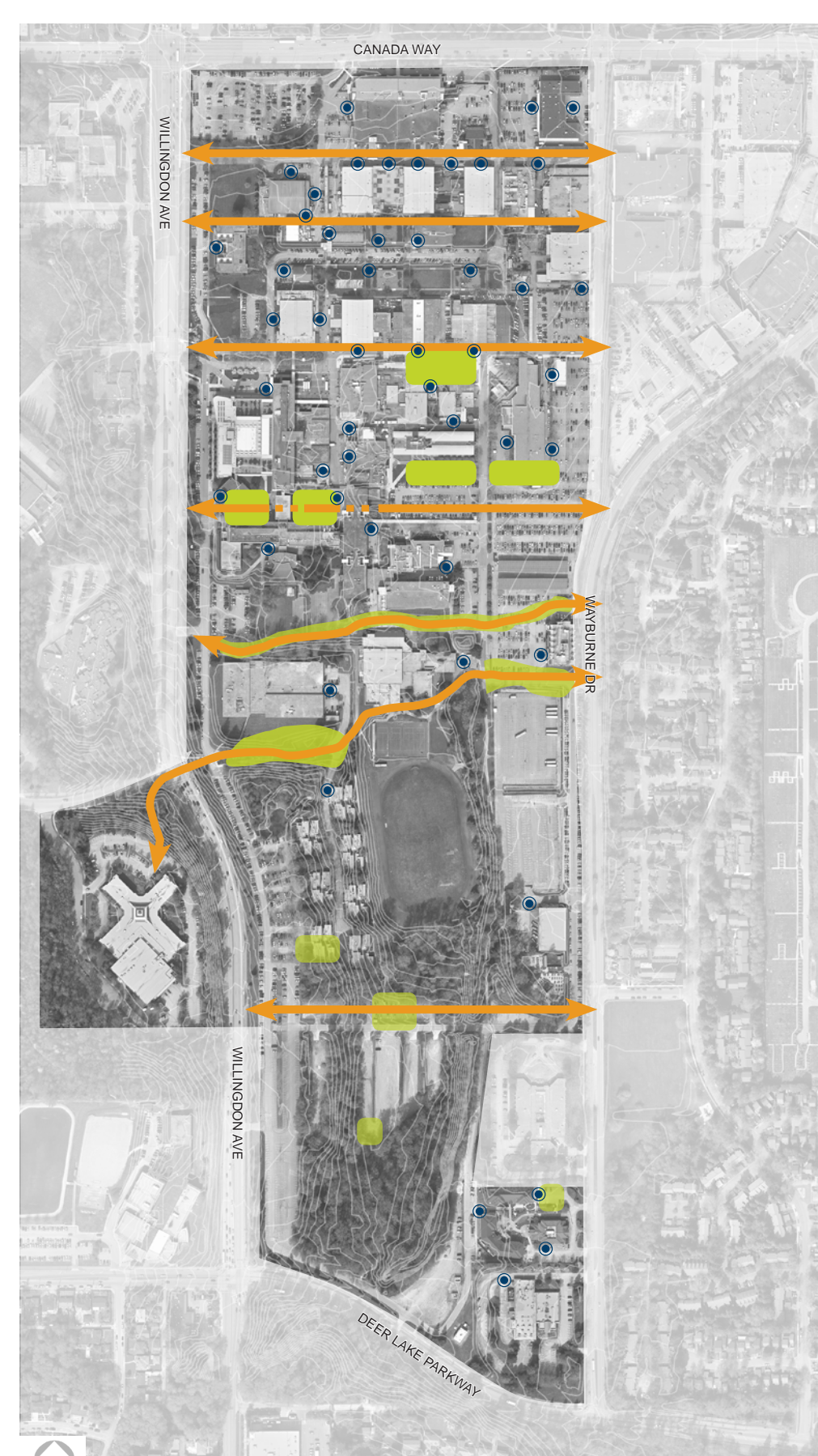
* MAJOR ENTRY
LOOP ROAD
CAMPUS SPINE
E-W CONNECTION
THE YARD
MAJOR SOCIAL
MAJOR GREEN
MINOR OPEN SPACE
GUICHON CREEK



3. Social Spaces

A series of social spaces are linked along the Campus **Spine**.

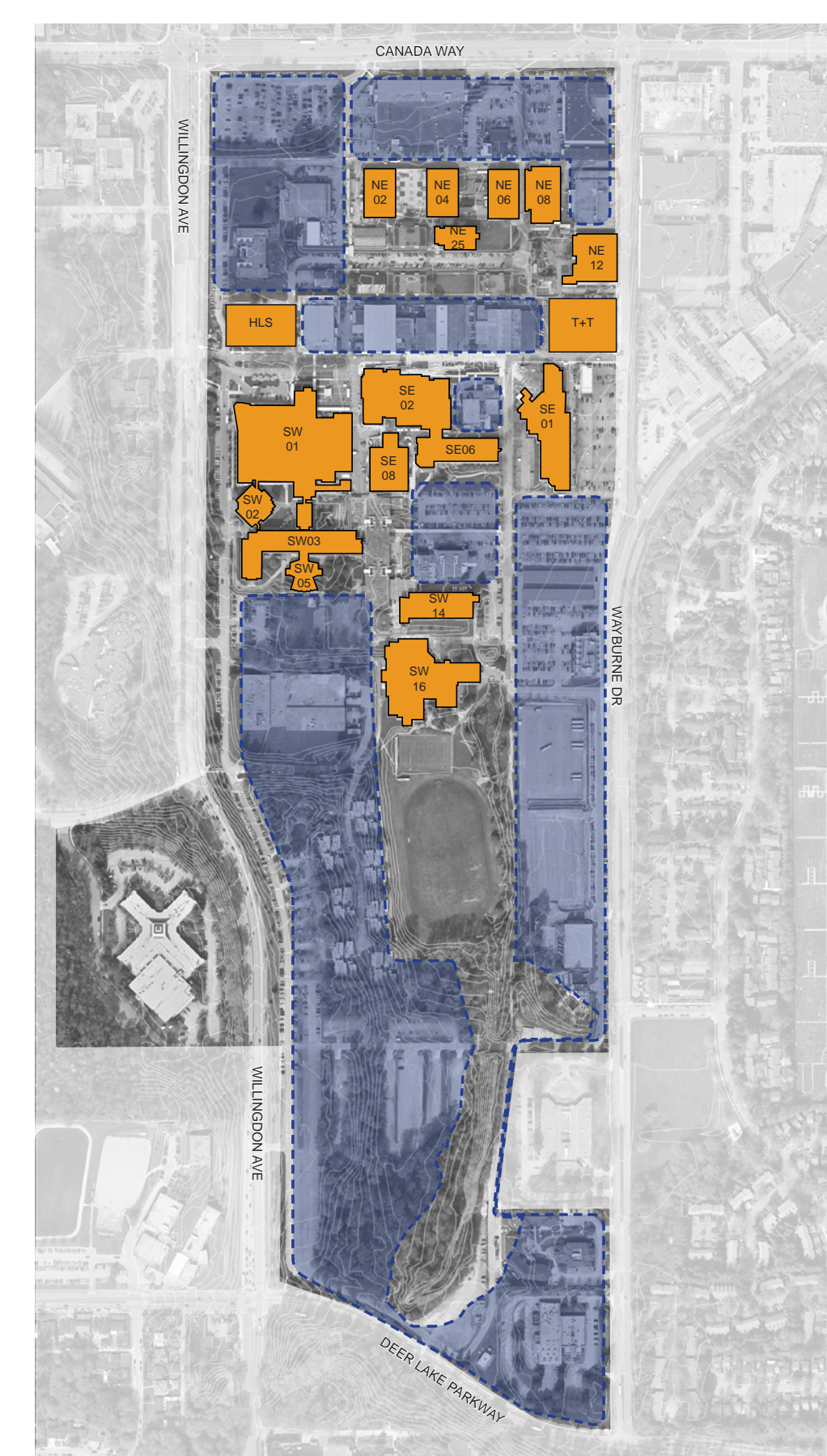
CAMPUS SPINE
THE YARD
MAJOR SOCIAL COMMONS
MAJOR GREEN COMMONS
POTENTIAL FUTURE COMMONS



4. East-West Links

East-west connections serve pedestrians, cyclists, and service **vehicles**.

EAST/WEST CONNECTIONS
MINOR OPEN SPACES
EX SERVICE ACCESS POINT



5. Buildings

Some buildings are permanent while others will be replaced over **the years**.

BUILDING TO REMAIN
POTENTIAL FUTURE DEVELOPMENT SITES

Combined Framework

Layering the information in diagrams 1 to 4 produces a combined framework of campus circulation routes and open **spaces**.

CHARACTER AREAS

Crossroads



- New focal point for campus and surrounding employment district

See panel 'Crossroads' for more details.

The Yard



- Showcase BCIT programs that involve 'hands on' making of things
- Large central open space for learning, construction, demonstration projects, exhibits, social and recreational activities.

See panel 'The Yard' for more details.

Health Sciences Centre

This project has been funded by the Province and will be under **construction by late 2018. It** will provide new simulation, lab, **classroom, and flexible spaces for health and life sciences programs.**

Trades and Technology Centre

This proposed project will combine space for trades and technology programs to foster innovation and collaboration across **departmental boundaries. It will be the first new building in the Yard precinct.**

Gateway/Goard Way

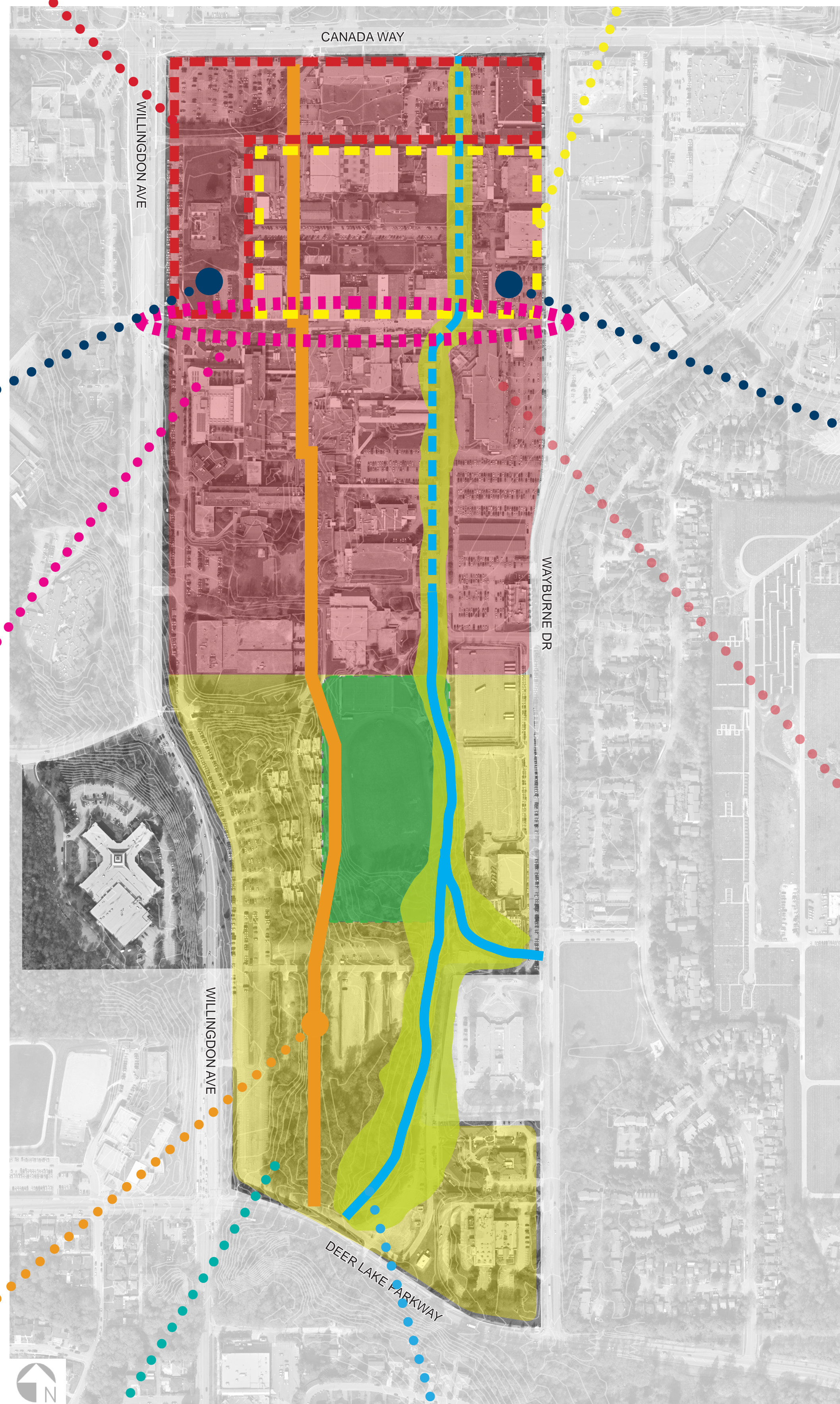


- Main entrance to campus for transit users and visitors
- Welcoming, convenient, **comfortable.**

Mixed Use Core



- Intensive mix of uses and activities
- Encourage collaboration
- **Ground floors:** Retail, amenities, study, learning, social spaces
- **Upper floors:** learning, industry partners, office, student housing
- Animated public spaces.



The Spine

South Campus



- Short term: remains as undeveloped land, parking and student housing
- Longer term: Opportunities for industry partners and future BCIT **expansion.**

Guichon Creek



South Creek:

- Remains in natural state
- Pedestrian and bike ways

North Creek:

- Phased strategy to daylight
- Urban ecological restoration
- Sustainable storm water systems
- Pedestrian and bike ways
- **Open spaces.**

BCIT™

campus
plan

CROSSROADS

The Crossroads is a new focal point in the northwest part of the Campus that makes a strong statement about BCIT, draws people from the surrounding employment district, and encourages **interactions among BCIT departments, industry, and campus visitors.**

This hub could include:

- A retail street (including restaurant, grocery store, and services)
- Space for exhibits, special events, meetings/conferences, demonstration projects
- BCIT program space
- Outdoor open spaces
- Industry partners
- **Housing and hotel uses.**

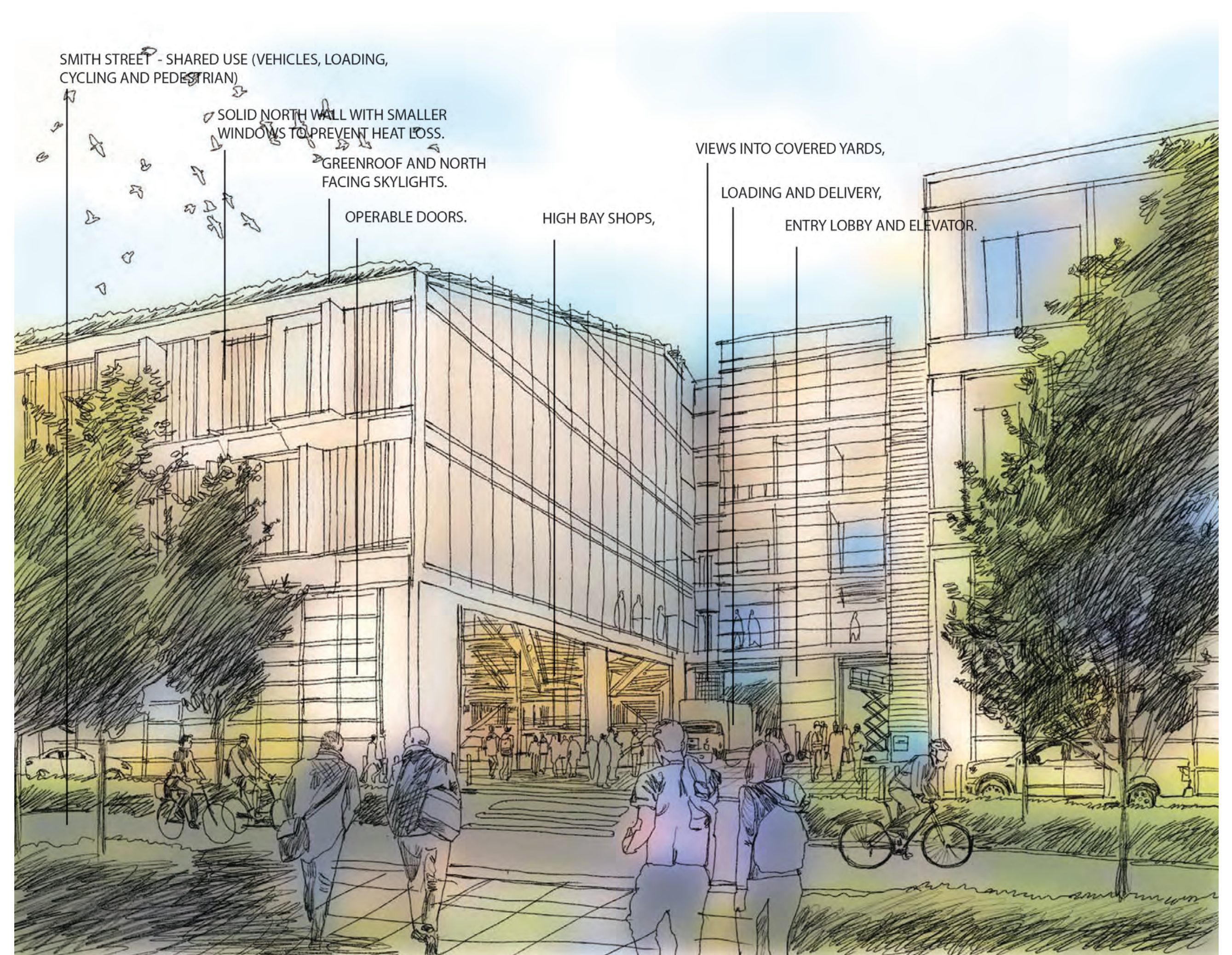
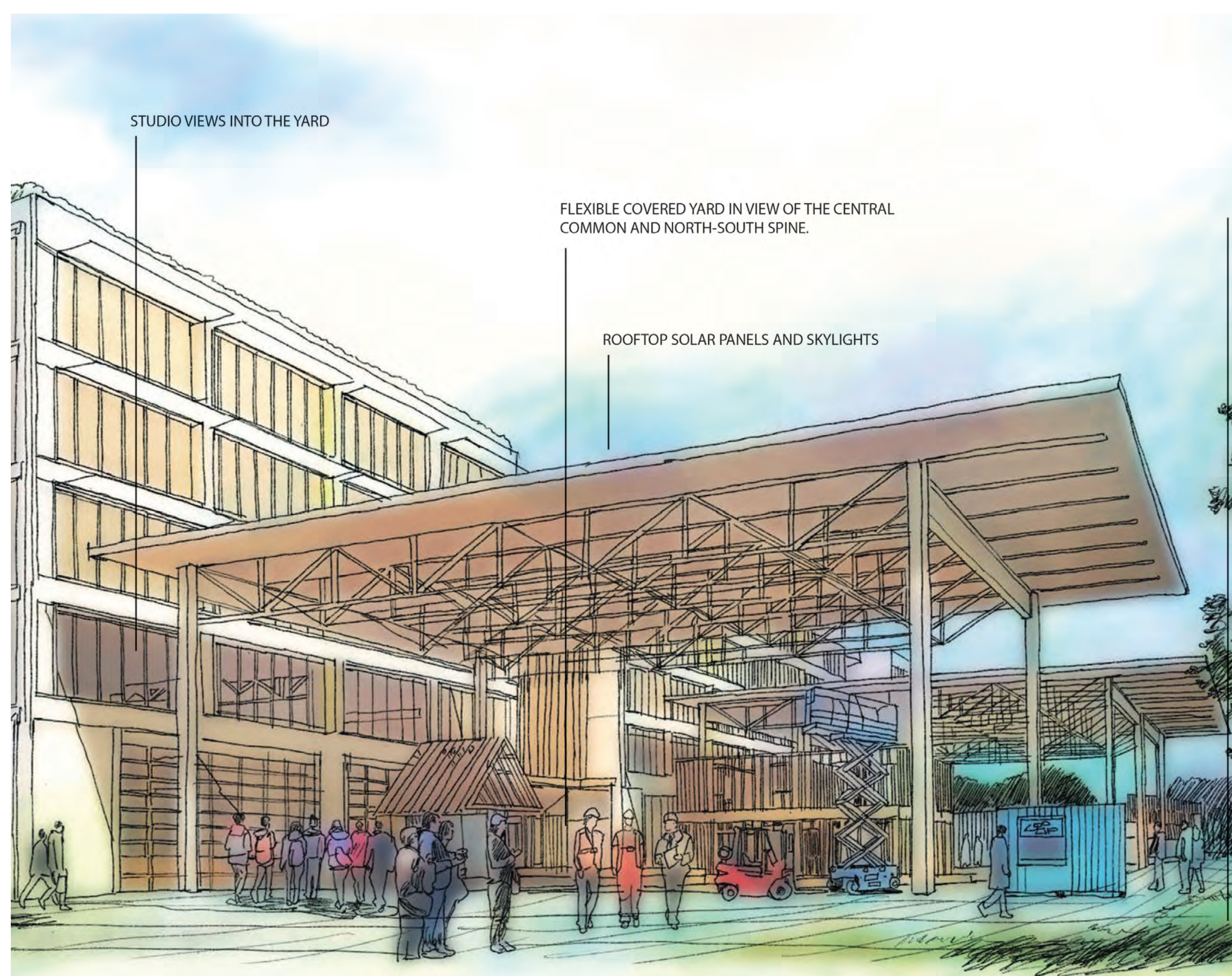


THE YARD

One of the unique features of BCIT is the variety of programs that involve hands-on making of **things**. **The Yard will cluster “maker” programs in a precinct that enhances these programs, promotes collaboration across program boundaries, and showcases this distinct part of BCIT.**

The Yard includes:

- A large central open area that provides room for construction, demonstration projects, and exhibits, while also providing an attractive outdoor space and opportunities to see BCIT at **work**.
- **Buildings clustered around the Yard with space for making things. This could include wood and steel construction, metal working, welding, boiler making, engineering, land survey, instrumentation, possibly even video and television production.**



HOUSING

Current

There are 336 beds of student housing on campus. This housing can last another 5 years or so and will then need to be replaced.

There is strong interest in more on-campus housing of a variety of types:

- Full term housing for international and local students
- Short stay housing for students in short courses
- Family oriented rental housing for students with families or for faculty and staff
- Hotel type accommodation for campus visitors
- **Hostel type accommodation commuter students.**

Proposed

The Campus Plan proposes a significant increase in on-campus housing, to be built in phases based on demand.

The proposed strategy for student housing is:

- **Build a first phase of about 400 beds. Operate this** new housing along with the existing 336 beds for 5 years to test demand
- If occupancy is high, build 400 more beds and then demolish the existing housing
- Add more housing as demand warrants, with a long term target of about 2500 beds (of various types), **which works out to about 12% of enrollment by 2040.**

Most new housing will be in higher density, mixed use **projects in the campus core. The first two or three floors will include retail amenities, recreation facilities, informal study space, BCIT educational space, and other uses. Housing will be on upper floors.**

There could also be family-oriented housing in a quieter part of the campus, such as the site of the existing **student housing. This would be rental and could appeal** to students with families who want to be on campus for a year or two, and to faculty and staff who would like to **live on campus.**



TRANSPORTATION + SUSTAINABILITY

TRANSPORTATION

BCIT commuters have a very high percentage of single occupant vehicle trips, which generates large on-campus parking demand and contributes **to greenhouse gases and traffic congestion. Many students and faculty do not have good alternatives because of limitations in the transit and bike networks.**

There are environmental and financial reasons for trying to reduce parking demand. The Campus Plan proposes a comprehensive transportation strategy:

Transit

- Work with Burnaby, TransLink, and surrounding employers to push for improved transit on Willingdon and Canada Way
- Consider expanding U-Pass to part-time students
- **Improve transit shelters on both sides of Willingdon at Goard Way.**

Reduce Single Occupant Vehicles

- Promote and provide incentives for ride sharing, car sharing, biking, and walking to campus
- Create a BCIT ride share app
- Increase parking fees to local market rates
- **Consider running shuttles between south campus parking and the campus core.**

Cycling

- Improve on-campus bike paths and bike storage
- **Work with Burnaby to improve cycling routes to BCIT.**

New Technology

- Monitor experiences with autonomous cars and adapt accordingly
- **Design any parking structures to be adaptable to new uses.**



SUSTAINABILITY

BCIT is committed to becoming a more sustainable campus. The Campus Plan includes these strategies:

Infrastructure

- **Improved storm water management, including rainwater detention and infiltration using open spaces**
- Reduce water use
- **Electric vehicle charging stations.**

Buildings

- Performance targets and guidelines for all new buildings
- Green roofs where possible
- **Design for lower energy needs**
- **Incorporate solar where possible.**

Energy

- Real-time energy consumption monitoring
- Shifts to renewable energy
- **Explore feasibility of campus wide district energy system.**

Waste Management and Recycling

- Improved on-campus recycling systems
- **Better waste management plans, including composting, reduced use of disposables.**

Housing and Services

- **Provide more housing and services on campus to reduce off-campus vehicle trips.**

