

TRISTAN SCHOLTEN

PORTFOLIO

2021 - 2023

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ABOUT ME

I am about to graduate from the Master of Planning program at the University of Calgary, and am based in Calgary, Alberta. I have six years of educational experience in Urban Planning and Design, and have gained a sound technical knowledge. I am passionate about planning strong, resilient, and sustainable communities. I have diverse, global work and educational experience that has brought me from Canada to Korea, Singapore, and Switzerland. Ever since I was a child, I would endlessly study maps of cities, countries, and continents and soak up every detail. I love to travel, and to wander down streets of new cities while marveling at the way the public realm interacts with the built form. I am so excited to turn those passions into a career in planning.



EDUCATION

MASTER OF PLANNING (MPLAN)

University of Calgary
Sep 2021 - Apr 2023 (Anticipated)

- **Graduate Research Assistant**
(Supervised by Dr. Fabian Neuhaus)
- Exploring expressions of urban informality in Calgary, and studying perceptions of Calgary through qualitative research methods
- Managing social media accounts advocating for community engagement in Calgary

BACHELOR OF ARTS (BA) IN URBAN & REGIONAL STUDIES

University of Lethbridge
Sep 2013 - Jun 2017

- **Economic Development Research Assistant**
(Lethbridge County)
- Researched methods of intermunicipal cooperation
- Wrote and presented policy recommendations to County Council
- Received honorarium



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Analysis

WEINPLATZ

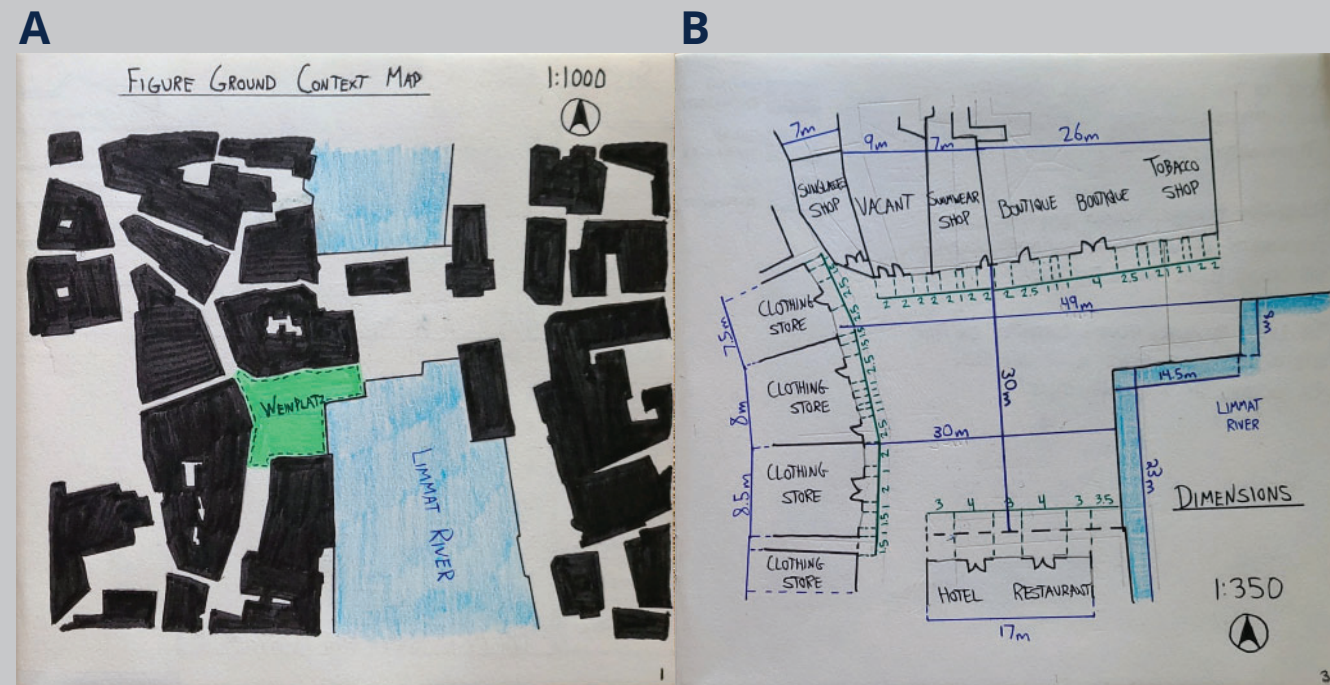
COURSE: Arch 675 - Urban Systems

SKILLS: ArcMap, Sketching, Observing, Qualitative Research

ROLE: Independent Assignment

My time in Zurich, Switzerland reinforced the importance for me of having a successful public realm and spaces meant for people, such as Weinplatz. I created a series of diagrams and drawings to document this plaza and capture how people interact with it. Only with an understanding of the built form can we truly know how it impacts the lives of people.

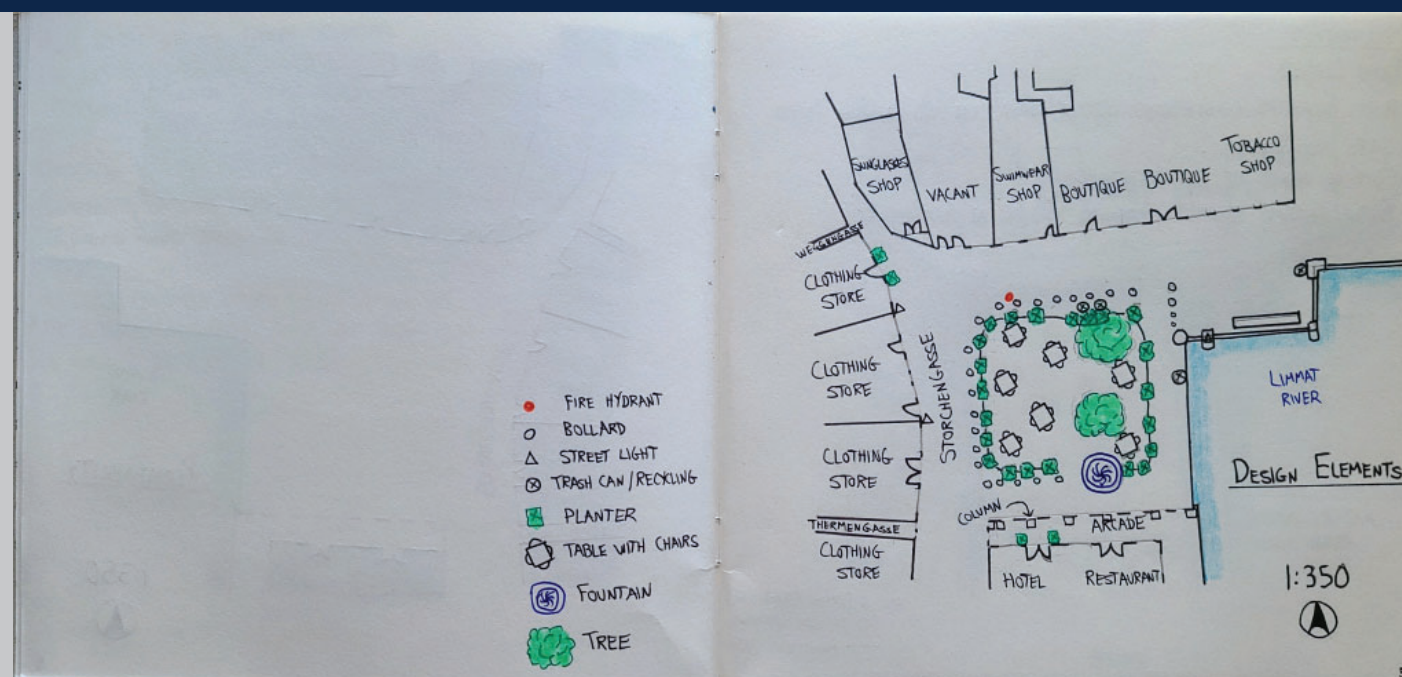




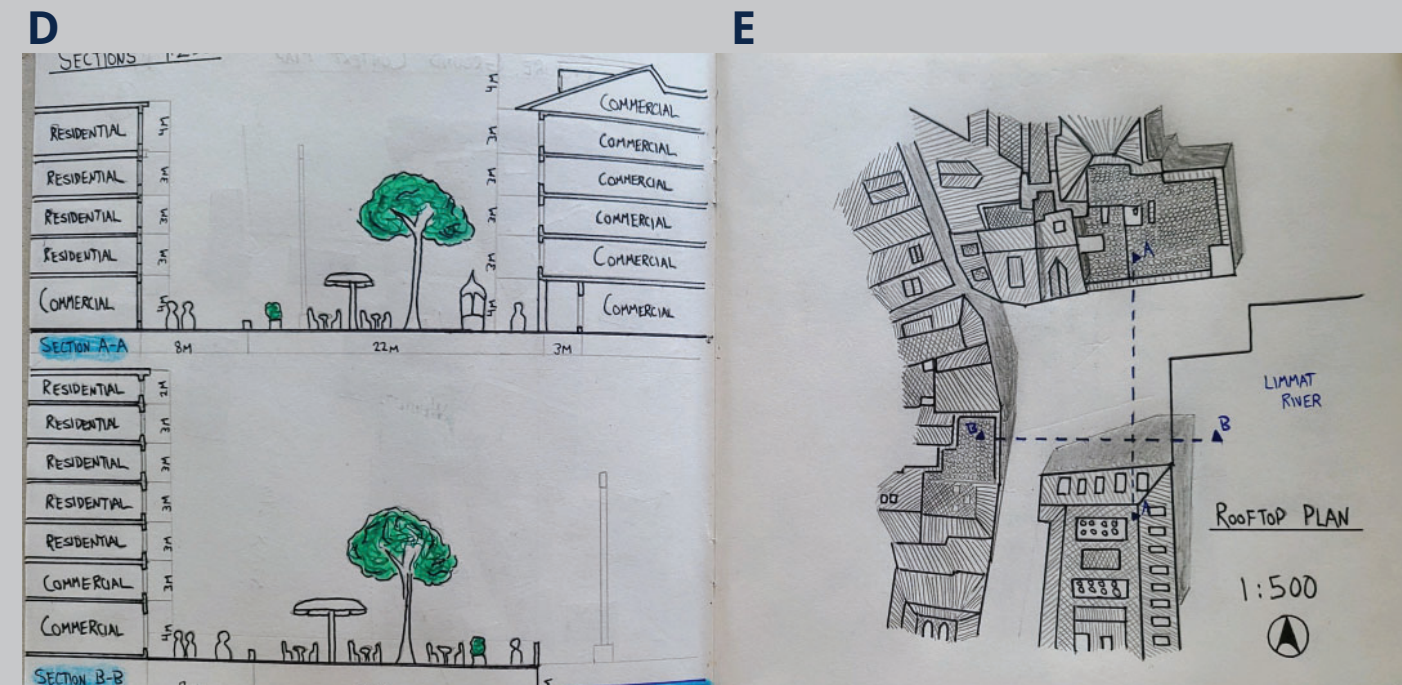
A - Shows contextual area around plaza, including buildings and river

B - Dimensions of buildings around and space within plaza

C - Design elements within the plaza



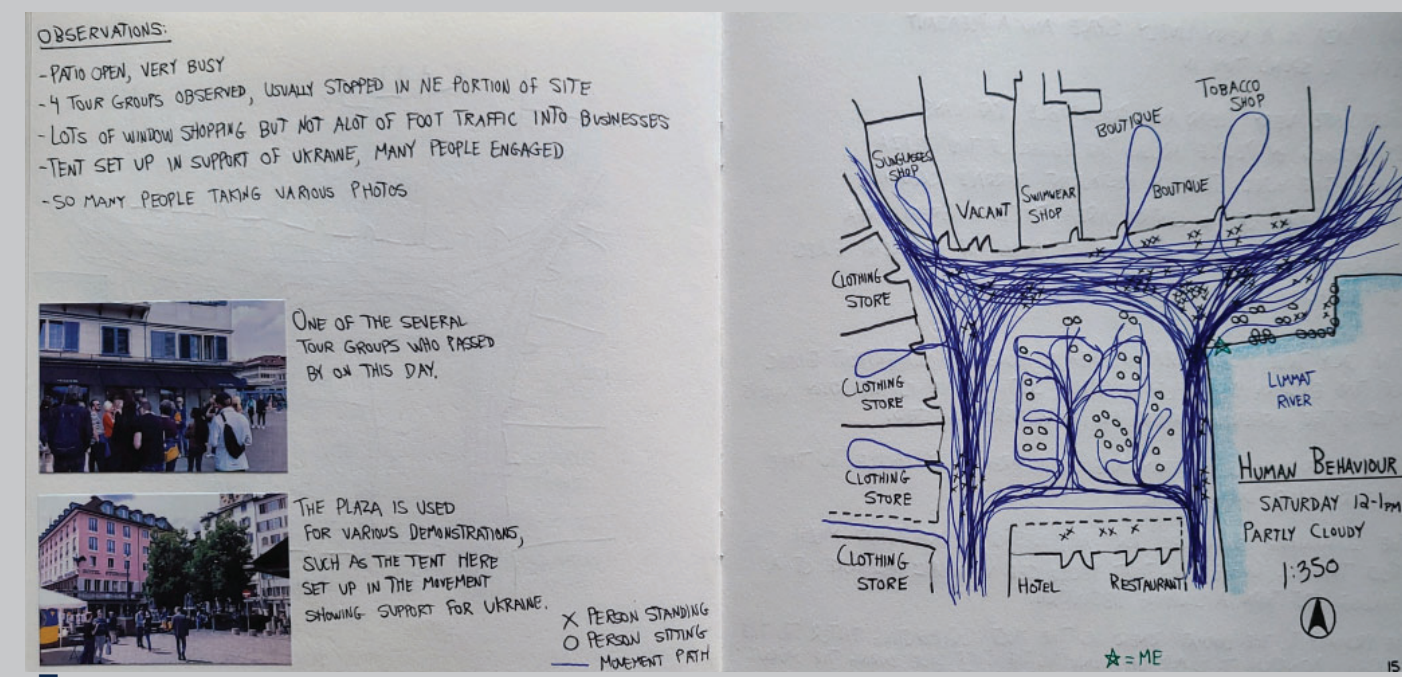
C



D - Cross sections showing how buildings interact with plaza

E - Rooftop plan

F - Human movement paths on a weekend afternoon



F

06

Analysis



CENTURY GARDENS

COURSE: Plan 626 - Urban Design Theory

SKILLS: ArcMap, AutoCAD, Illustrator, SketchUp, Observing

ROLE: Shadow Analysis, Cross Section, Land Use Plan

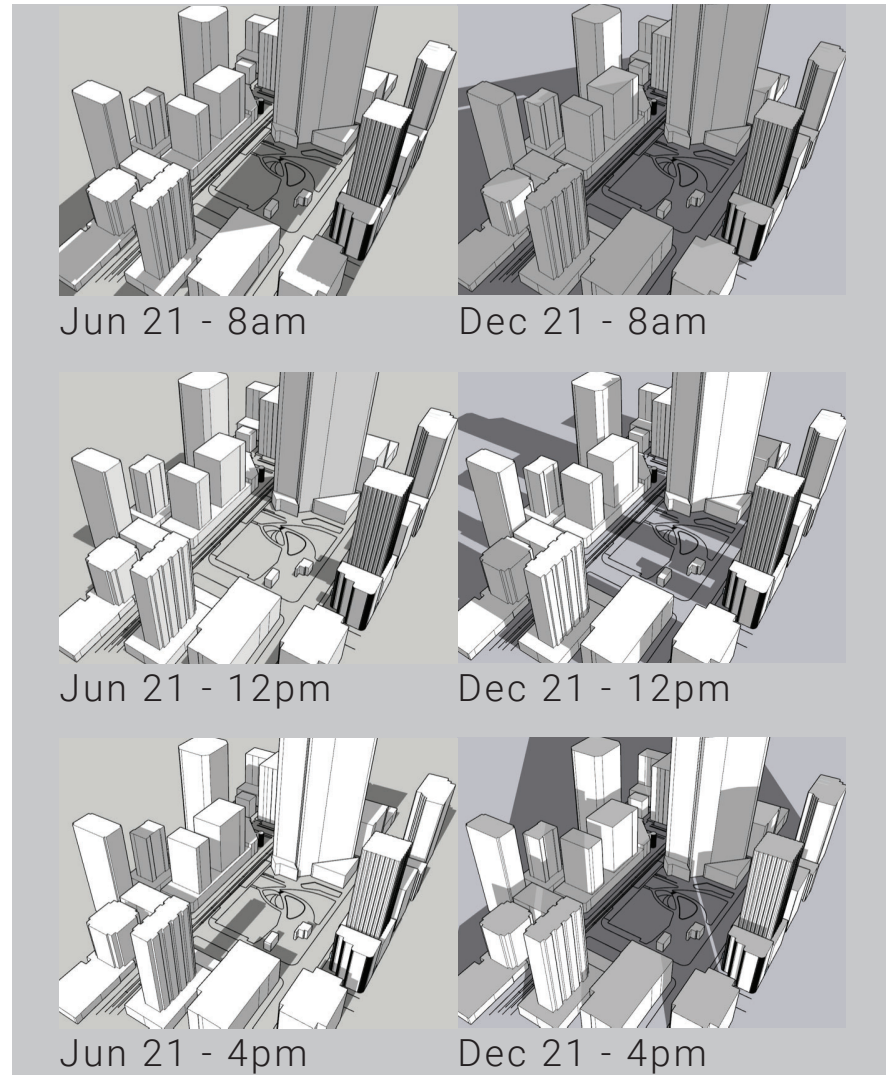
Along with my project partner Erin Gasparini, I observed and analyzed Century Gardens in downtown Calgary to determine if this completed redevelopment project was maximizing its full potential.

We concluded that while Century Gardens is a positive addition to Downtown, it hasn't yet reached its potential to be a pleasant relaxation space. Shadows create uncomfortable spaces in the winter, there are undesirable building edges across the streets from the park, and pedestrians mostly use it as a shortcut to reach the 8th Street SW CTrain station.



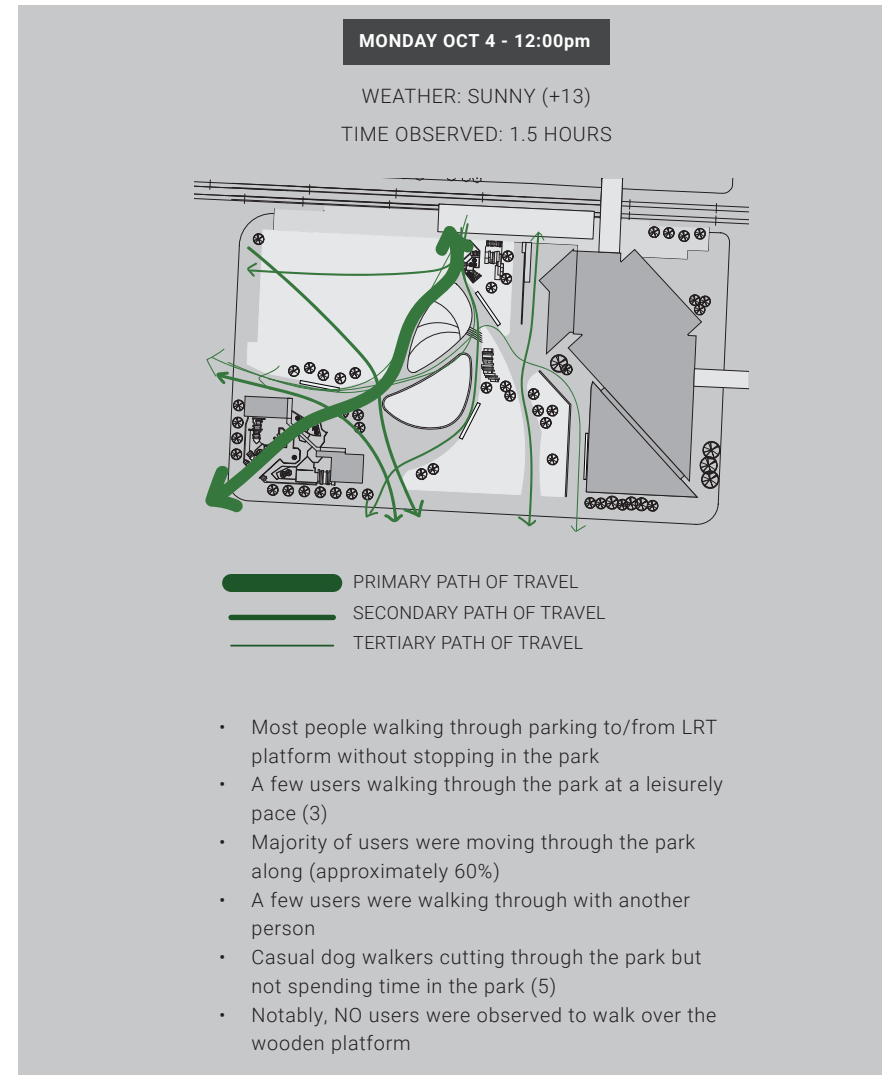
“Excellent work, and very well researched. You identified many of the important points in the area’s evolution, and the need for redevelopment.”

- Professor Beverly Sandalack (November 2021)



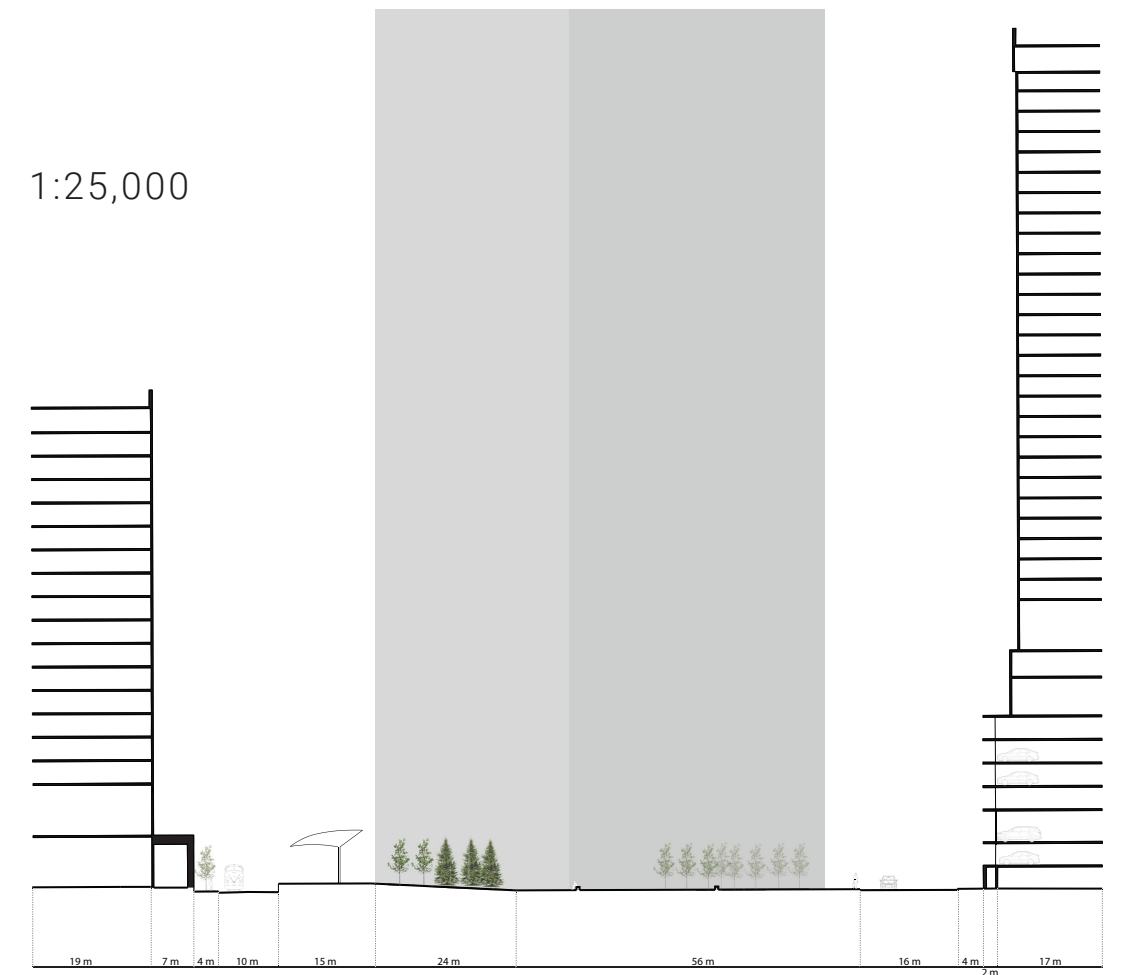
SHADOW STUDY

For a large part of the year, the majority of the park doesn’t receive sunlight.



HUMAN MOVEMENT PATHS

Movement paths indicate most people cut through the park to arrive at and depart from the CTrain station, without stopping.



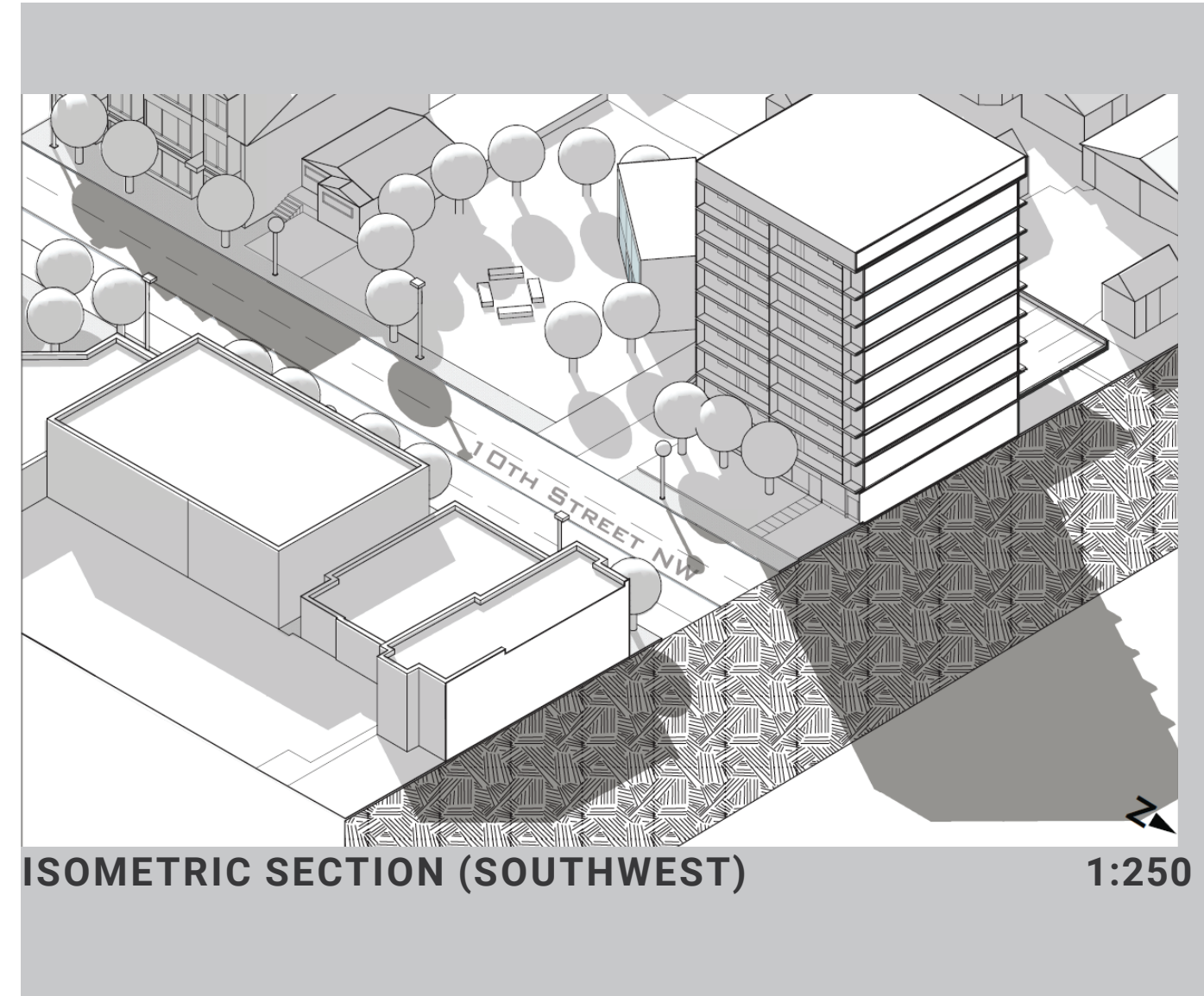
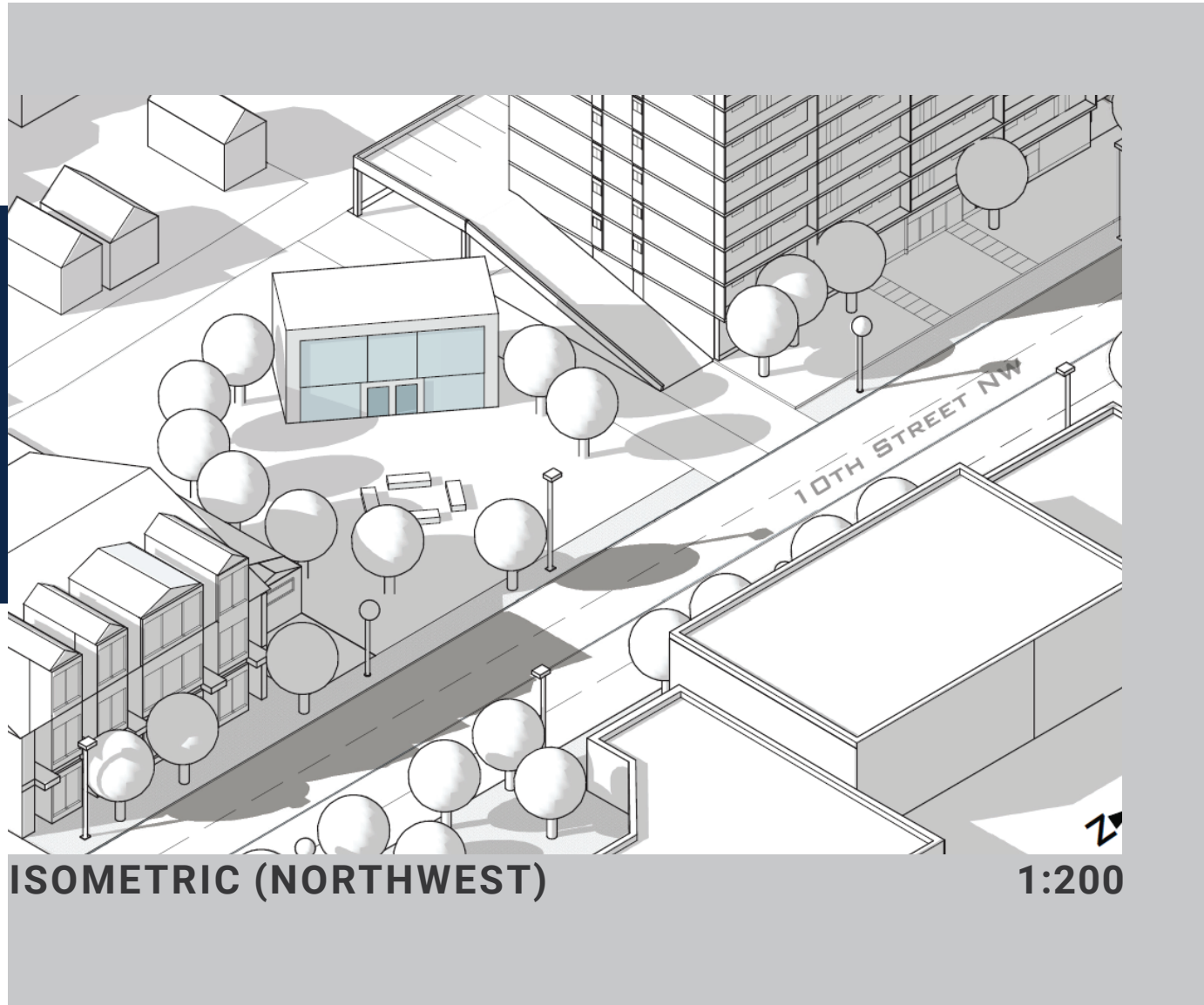
NORTH/SOUTH CROSS SECTION

The CTrain line acts as an edge to the park, obstructing the view of one of the more pleasant streetwalls with many businesses.

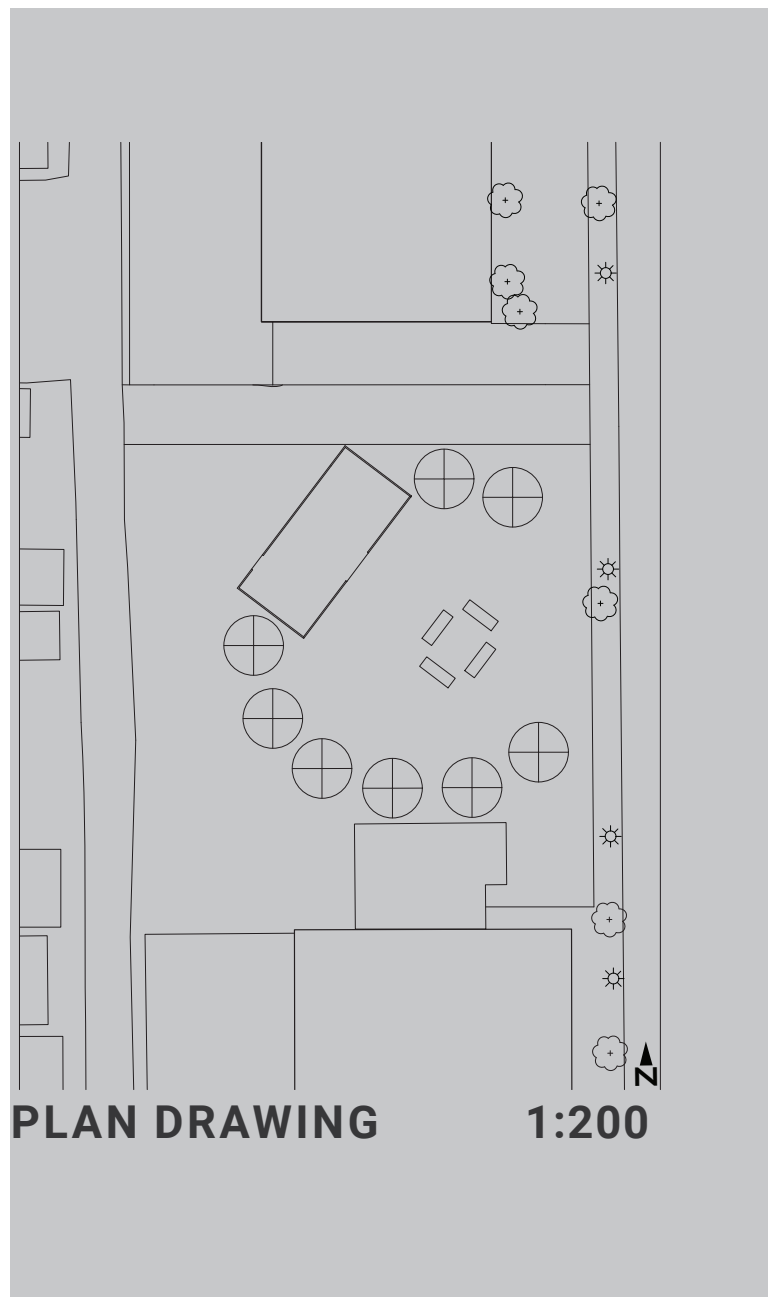
HILLHURST PARCEL

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Design

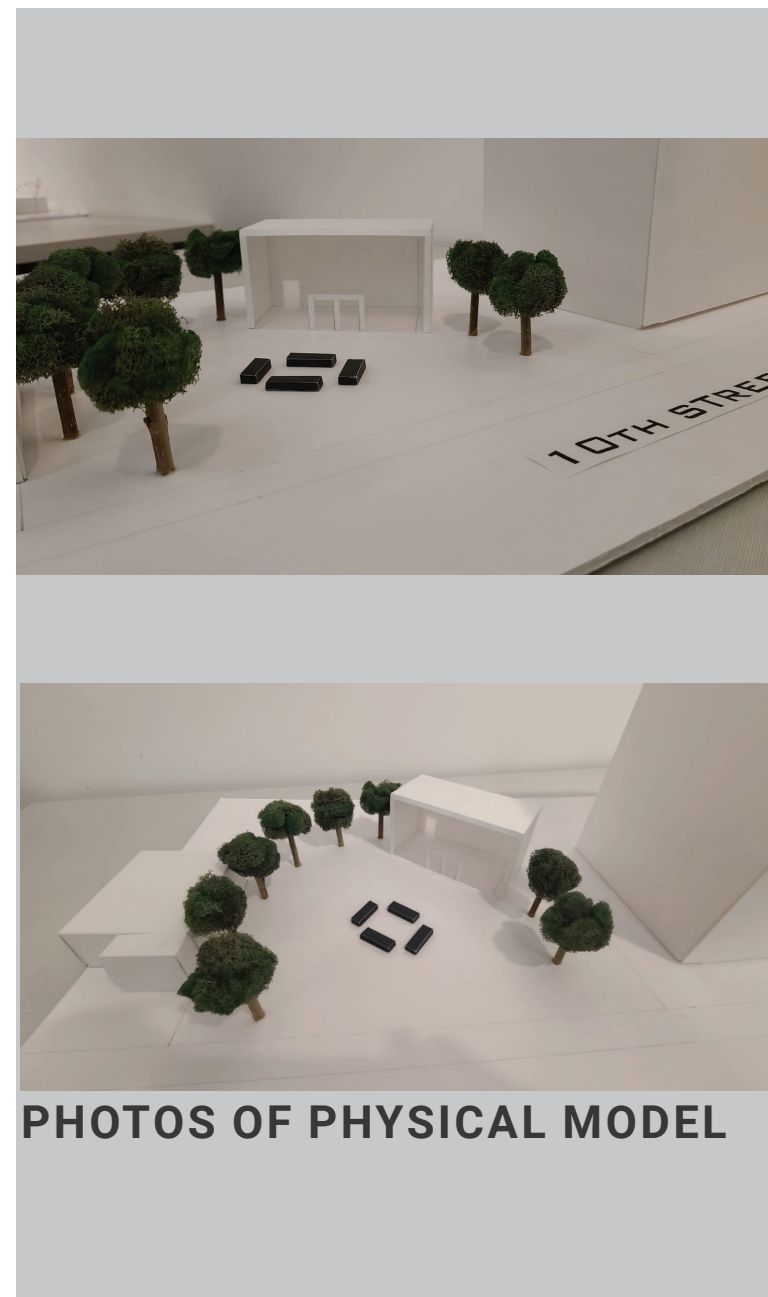


For these isometrics, I took AutoCAD files of the building footprints, parcels, and road layouts from the City of Calgary, and then transferred them into SketchUp to create a 3D model of both the elements on the parcel and the surrounding context.



PROJECT DETAILS

A simple plan AutoCAD drawing showing the layout of the elements in relation to the neighbouring structures.



PROJECT DETAILS

The model was made using cardstock paper, plastic film, twigs from my garden, and moss from Michaels.

COURSE: Plan 602 - Computer Modeling

SKILLS: ArcMap, AutoCAD, Illustrator, SketchUp, Physical Modeling

ROLE: Independent Assignment

What can you do with only an 8-metre high art gallery building, eight elm trees, and four benches? I sought to find out in the “Making Space” project. I chose a currently empty parcel along 10th Avenue NW in Hillhurst, Calgary, which presents interesting challenges due to the proximity of the nine-storey apartment building directly north. I considered wind patterns, shadows, safety, and service road access when deciding how to align the elements we were given.

I decided to create an enclosed space using the elm trees to block the unsightly views of the apartment parkade to the north and the service road to the west, angling the art gallery to act as a barrier to the strong northwestern winds that frequently hit Calgary. I aligned my benches to be facing inwards to each other, both to encourage users of the space to interact with another while viewing the gallery, while still giving more introverted people chances to sit at right angles to others to avoid direct eye contact. I made sure that the existing street light was relatively in the centre of the opening to allow people to feel more safe when passing by at night.

I was surprised at all of the thought that can go into placing an 8-metre high art gallery, eight elm trees, and four benches!

BRUNAUPARK

Design



MASTERPLAN

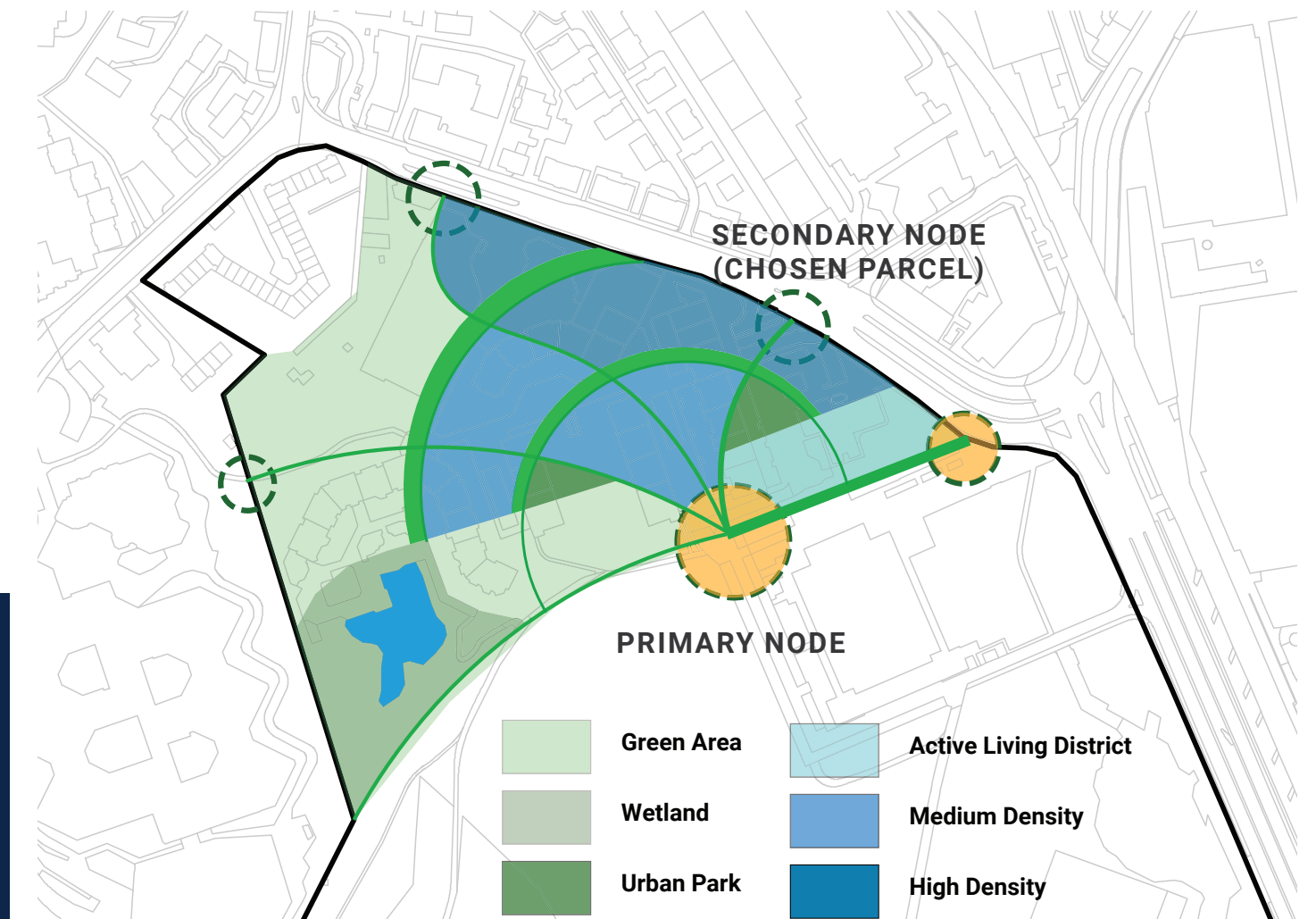


PHOTOS FROM SITE VISIT

COURSE: Plan 616 - Urban Design Studio

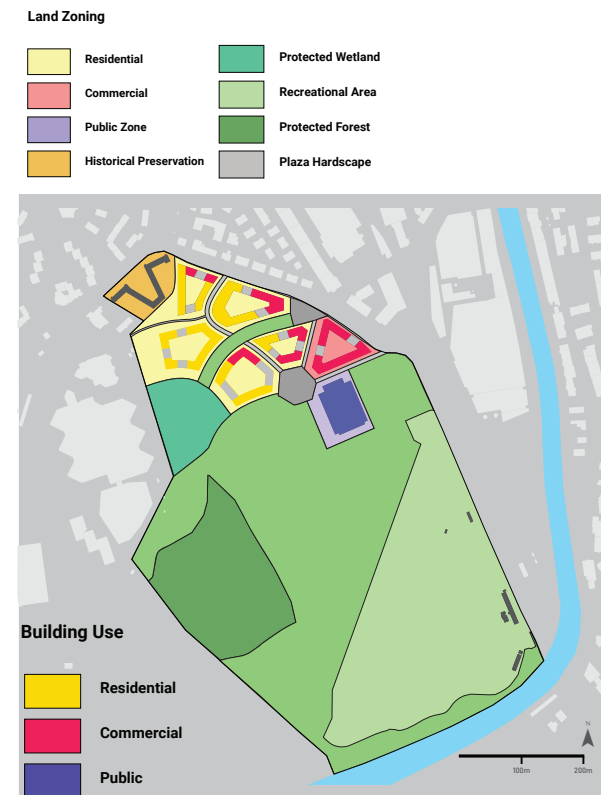
SKILLS: AutoCAD, Illustrator, SketchUp, Photoshop, Lumion

ROLE: Independent Assignment

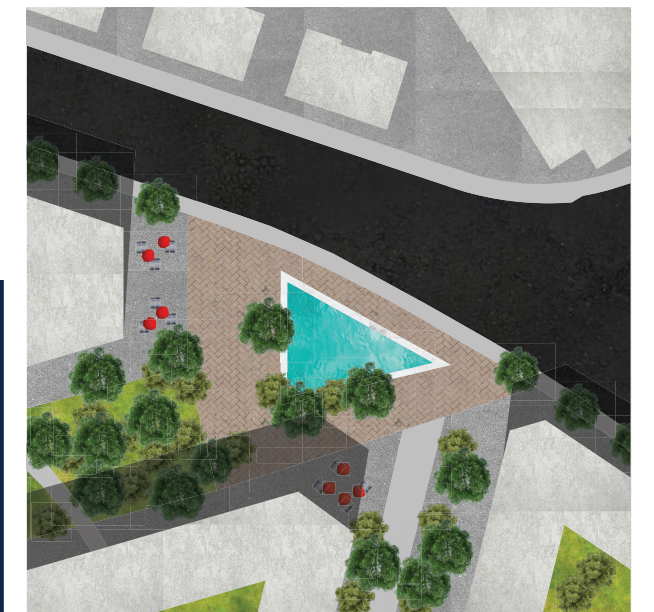


DESIGN CONCEPT

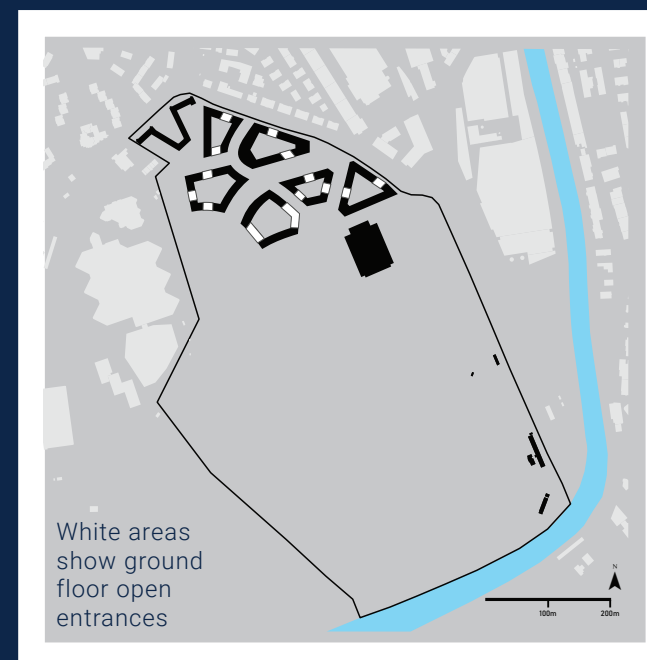
For the final project in the Zurich group study program, I was tasked with using critical thinking to design a space within a unique area that incorporates key elements of urban design. The site is mostly natural area which we were to leave relatively untouched, except for the built up northeastern portion. I wanted to design a space that pulled the natural space up into the built area, radiating out from a central node close to the existing recreation centre. Keeping in mind the historical building at the very top, I proposed a series of 6 buildings varying in height from eight to ten storeys that feature courtyards with open air entrances at the ground level of each building. Pathways wind through the buildings that connect to the green spine corridor running through the centre of the design site. Two nodes act as bridges to the contextual surroundings, one of which I further designed in detail.



PROPOSED LAND USE



PARCEL DESIGN



PROPOSED FIGURE GROUND



PARCEL RENDER

When choosing a parcel on the site to develop, I chose one of the secondary nodes in my design concept. I wanted to include a water feature to draw people into the natural corridors, and have a space full of urban furniture.

SHAGANAPPI

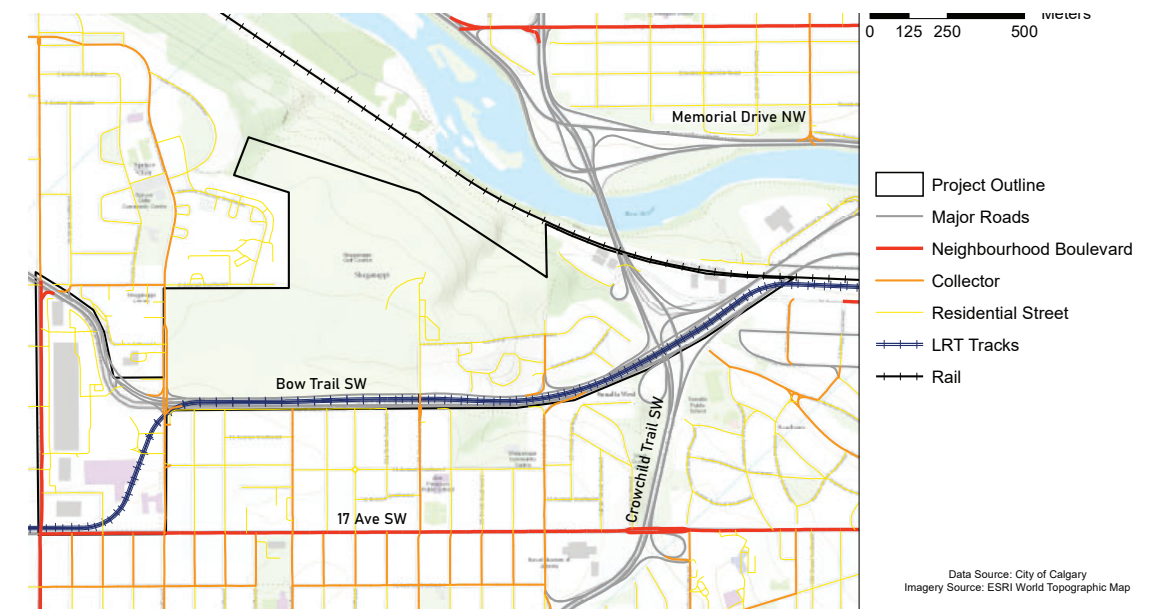
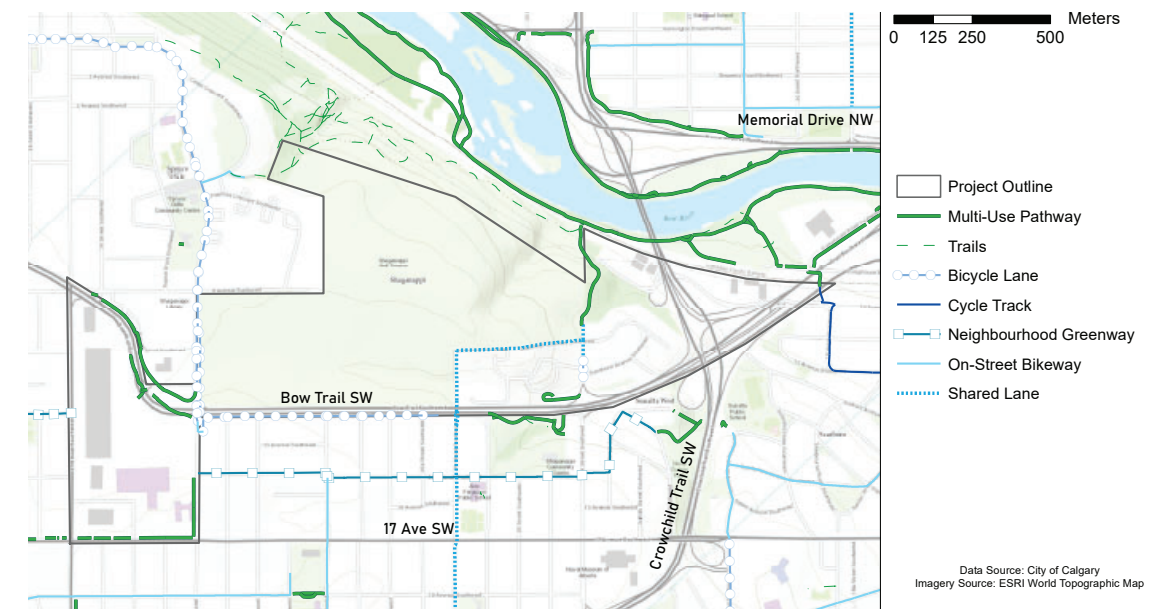


COURSE: Plan 610 - Community Planning Studio

SKILLS: ArcMap, AutoCAD, Illustrator, Photoshop
Sketchup, Lumion, Enscape

ROLE: GIS Analysis, Node Development, Master Plan Land Use, Thread Diagram Contribution

For the main project in my Community Planning Studio, I joined my teammates Andrea Rudiger and Pallavi Singh to explore intensification and infill development on a site covering the existing Westbrook Mall, the Shaganappi Point Golf Course, and a portion of Sunalta. The unique shape of the site proved to be a challenge, as well as integrating any new development to blend with the surrounding neighbourhoods. We titled our project "Tapestry" to weave together threads of enterprise, place, ecology, and community (see page 15). The project was a multi-layered process beginning with forming a vision, to analysis, to creating a master plan, and finally developing individual nodes to expand on in further detail.



GIS ANALYSIS LAYERS

For my node, I developed the northern half of the existing Westbrook Mall area. The site weaves together nature and the built form as much as possible with respect to the vision of tapestry for the overall Shaganappi community. Every building has a green roof and operates with solar power energy. Paved areas are permeable to absorb rainwater to be collected and recycled. Roadways have treed meridians and raised crosswalks to encourage drivers to slow down as they drive through the community. Bicycle paths co-exist with pedestrian walkways to encourage multiple transportation nodes, and the vast majority of parking is underground to limit the prescence of automobiles on street level.

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Design

Land Use and Building Massing



Urban School

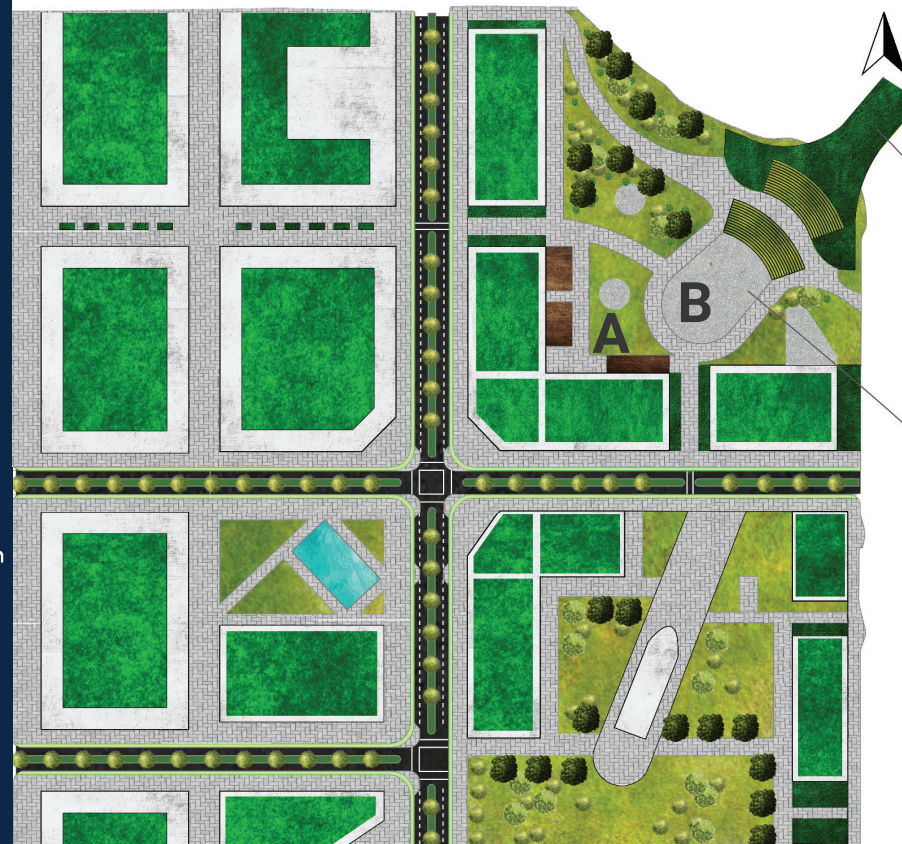


Library



Site Plan
(1:1500)

- Grass
- Native Vegetation
- Green Roof
- Water Feature
- Building
- Patio
- Paving
- Bicycle Lane



Green Overpass



Amphitheatre



NIGHT
RENDER
(A)



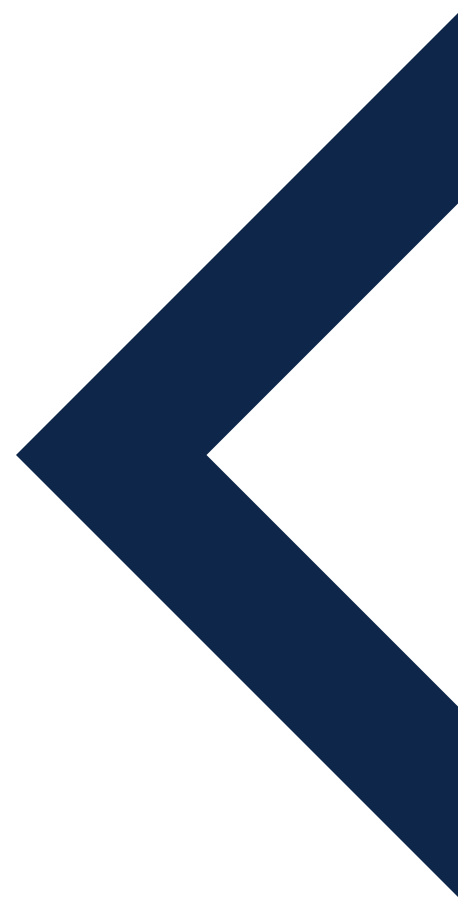
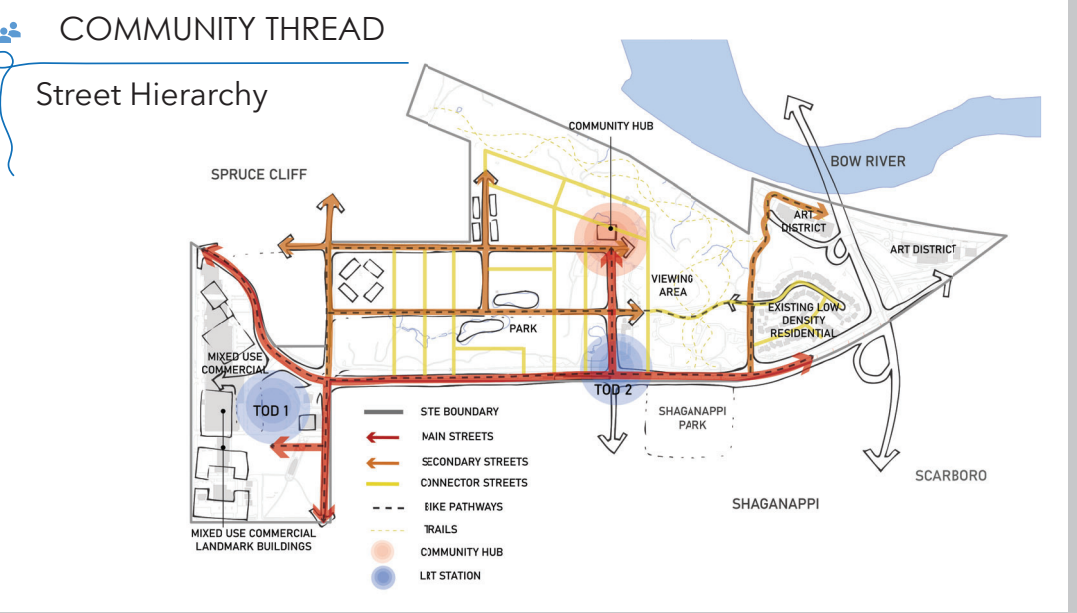
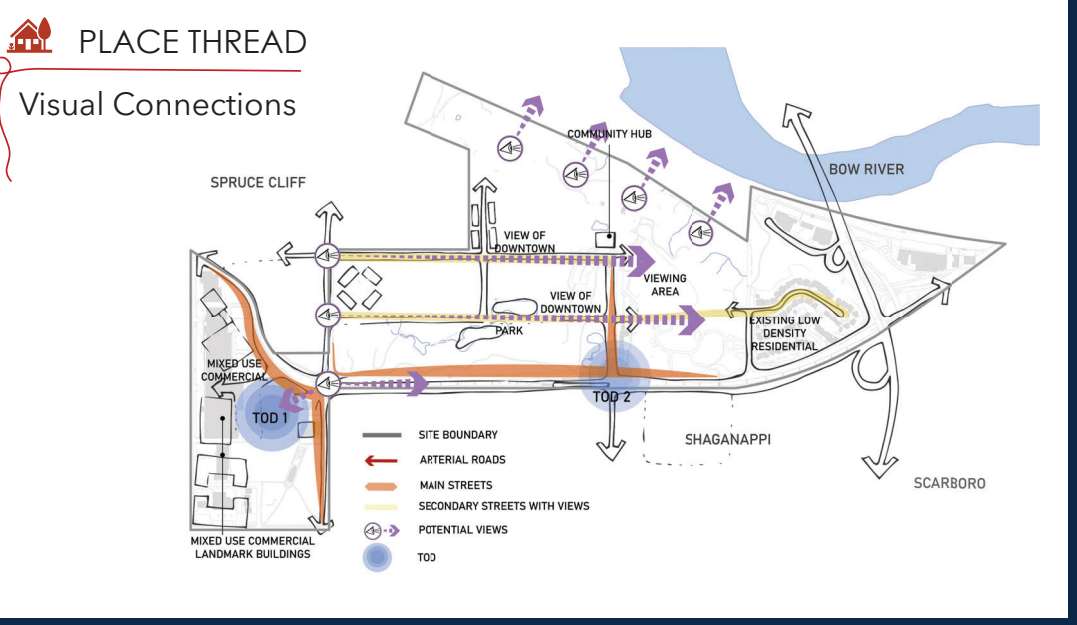
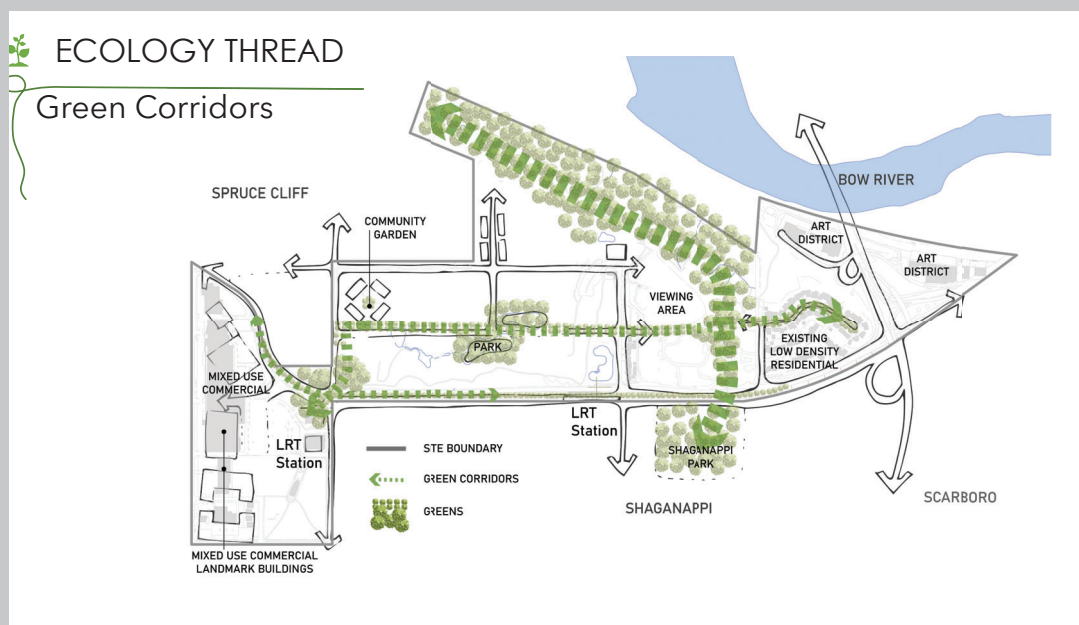
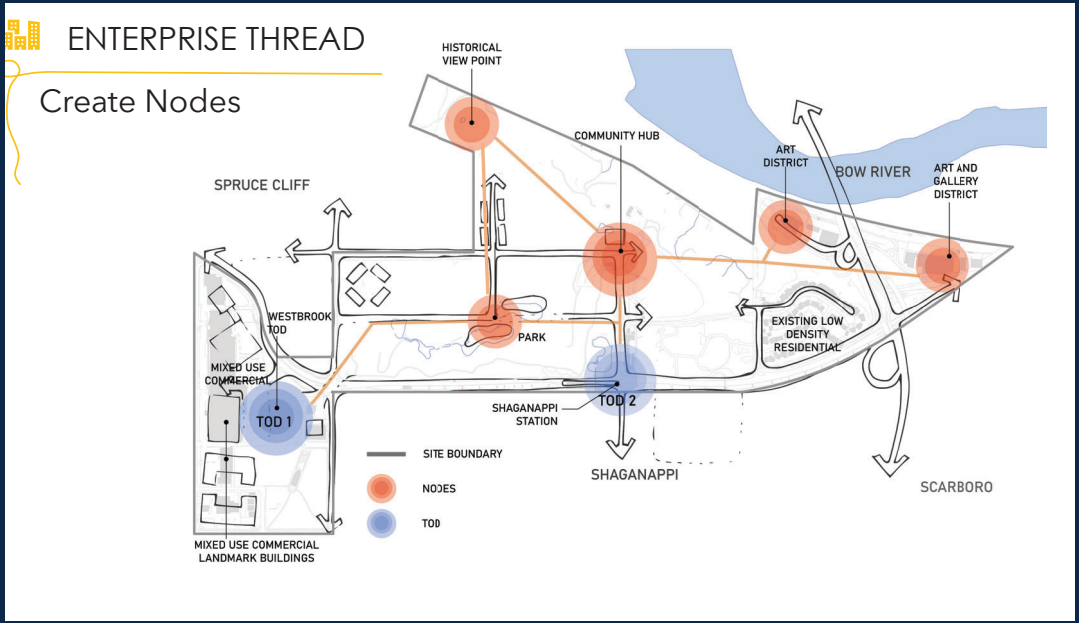
DAY
RENDER
(B)



MASTERPLAN



Each of these four threads combine to form the masterplan. We wanted to include enterprise nodes to guide the development of the community, green corridors to pull in the natural environment, place threads to establish unity with the neighbourhood's surroundings and provide stunning views, and community threads to encourage interaction amongst residents and visitors alike.



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NEXTCALGARY

COURSE: N/A

SKILLS: Instagram, LinkedIn, Twitter, Canva, HootSuite, Linktree

ROLE: Scheduling Posts, Content Creation, Promotional Campaigns

Advocate



NEXTCalgary is an online community of people passionate about Calgary. We've carried out a series of diverse projects aiming to spread knowledge and encourage community involvement around Calgary, and are constantly trying to make the city a better, more sustainable, more liveable, more vibrant, and more inclusive place. Some of the projects initiated include "Street Meet" interviews, tactical urbanism pop-ups, 1000 ideas for downtown Calgary, and the "Letters to Council" podcast. It focuses mainly on Instagram.

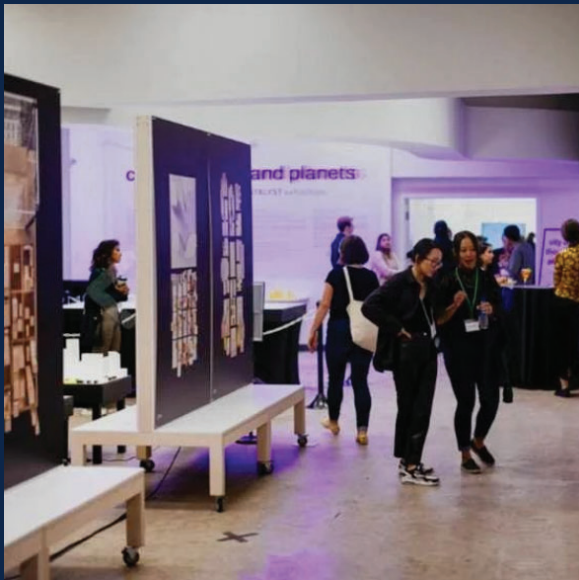


DESIGN MATTERS LECTURE SERIES Exploring the most pressing issues of our time through a built environment lens **2022 /23**

- 21 September: **Design and Stewardship for the Next Civilization**
Jenny Jones, Terremoto LA
- 6 October: **Four courtyards: An Exploration of place and identity**
Luca Nostri
- 11 January: **Rethinking Urban Sprawl**
George Trutina, Larry Beasley, Gondek or Sharp, Jennifer Keestnat
- 15 February: **Diversity Outside North America**
Farokh Derakhshani, Aga Khan Architecture Award director
- 2 November: **Design with Sustainable Materials**
Schmidt Hammer Lassen
- 30 November: **Equity and Planning: Indigenous Communities**
Firelight Group
- 15 March: **TBD**
- 5 April: **Extreme Cities - The Perils and Promise of Urban Life in the Age of Climate Change**
Ashley Dawson

sapl.calgary.ca/designmatters

Logos: UNIVERSITY OF CALGARY, EXP, ELEMENT, DIRT, SCHOOL OF ARCHITECTURE, PLANNING & LANDSCAPE



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