



APPLICATION PACKAGE

MASTER OF PLANNING - UNIVERSITY OF CALGARY

JANUARY 2022

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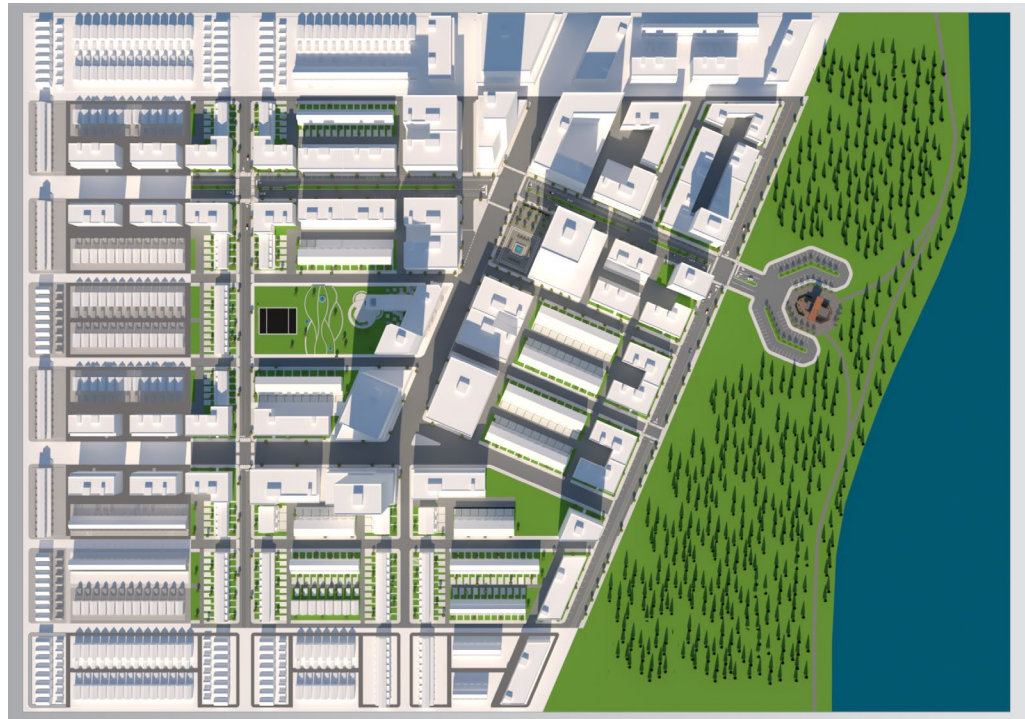
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Fundamentals
**IRREGULAR GRID
DESIGN**

Second Year:
Fundamentals of Urbanism
Instructor:
[REDACTED]

Date:
December 2019
Partner:
[REDACTED]

- **Contribution:** Drawing of street infrastructure, creation of 3D model, organizing presentation boards
- Programs: AutoCAD, SketchUp, V-Ray, Illustrator, Photoshop, InDesign
- Street layout given, fictional site
- Design of building form, land use, open space
- Understanding of street composition and the relationship between buildings
- Design of public space (plaza)
- Design of pavilion



Rendered Plan

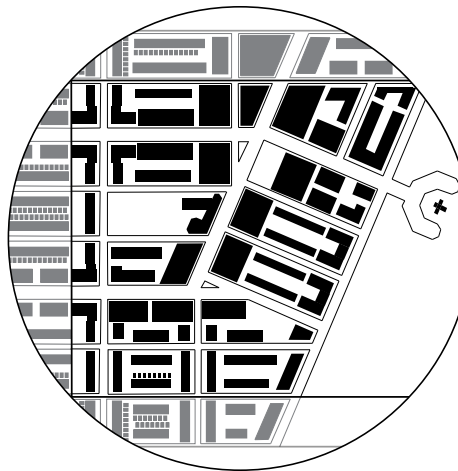
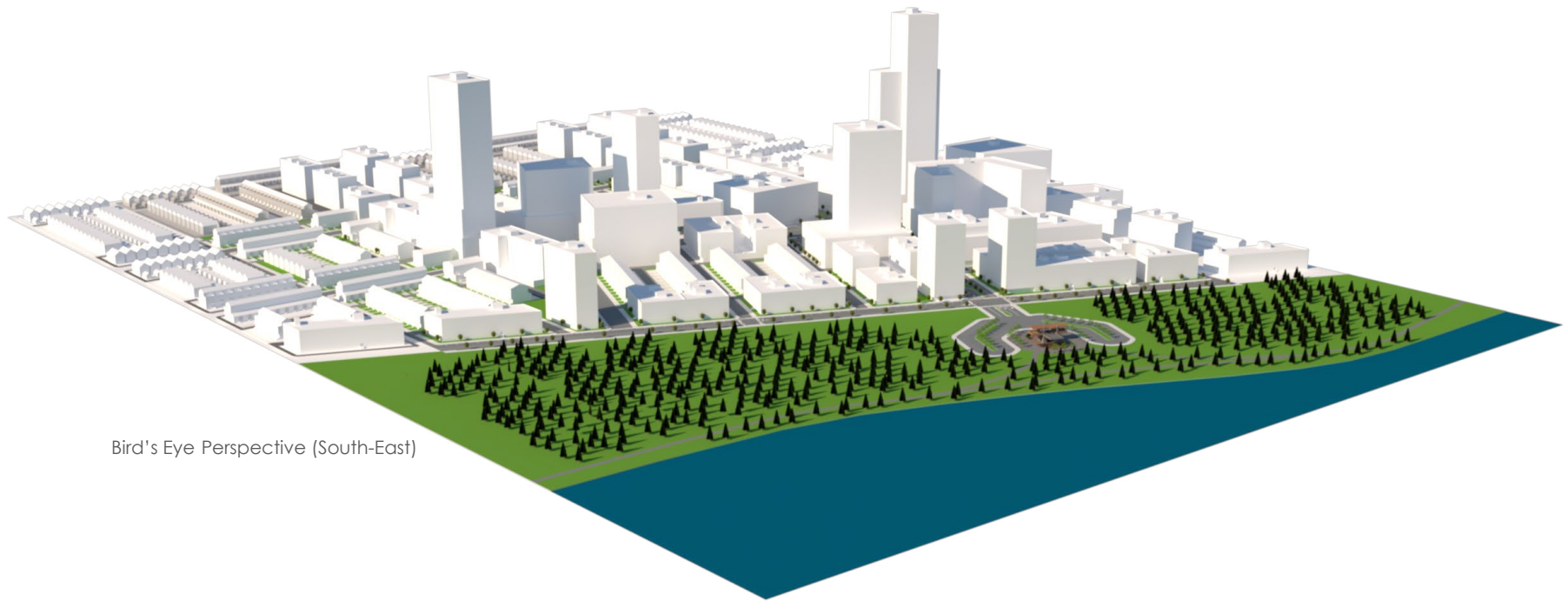


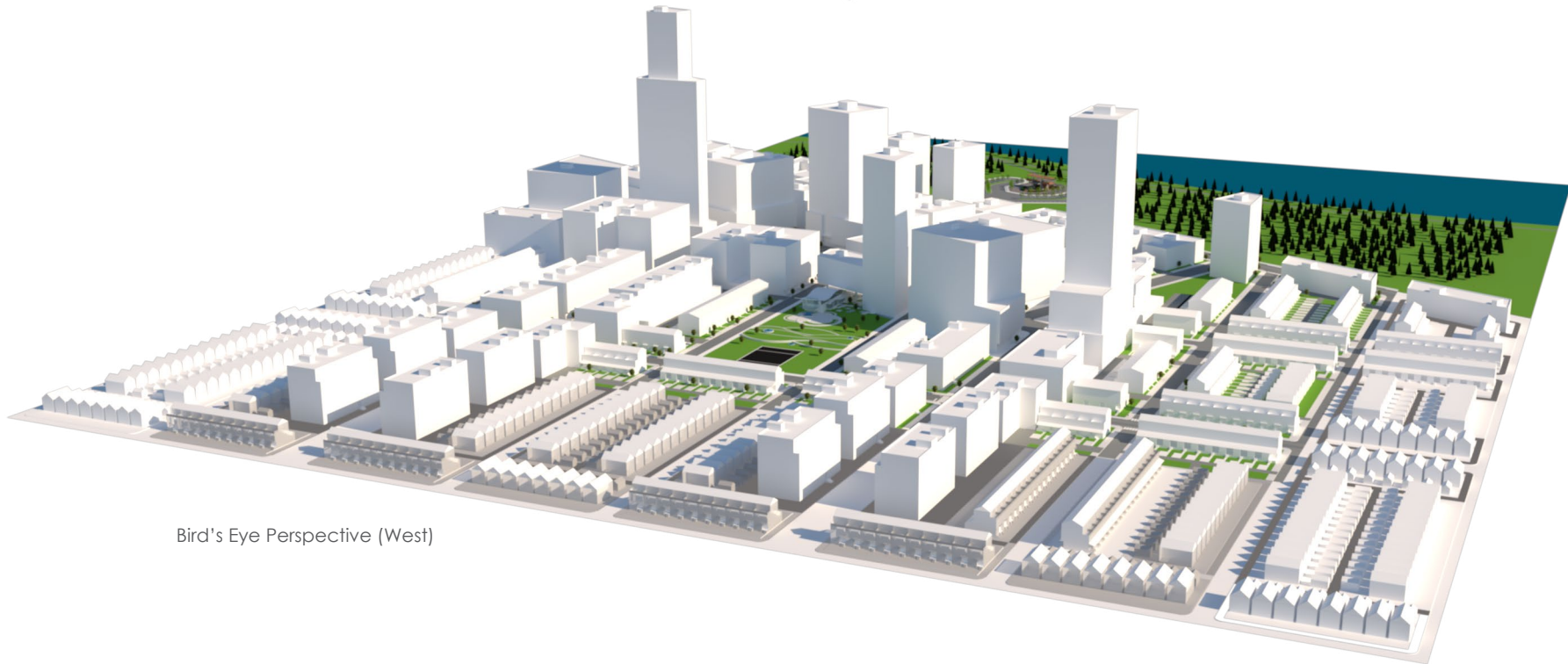
Figure Ground



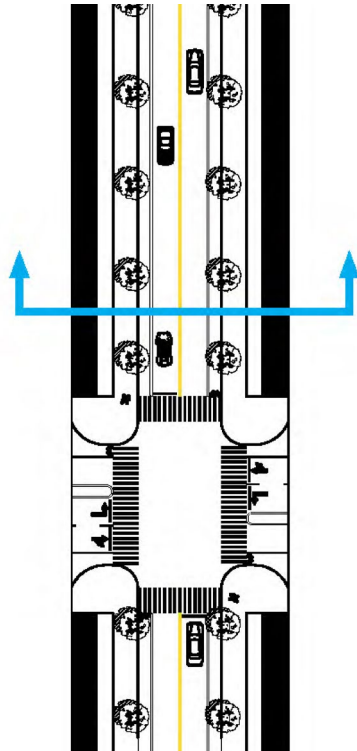
Land Use



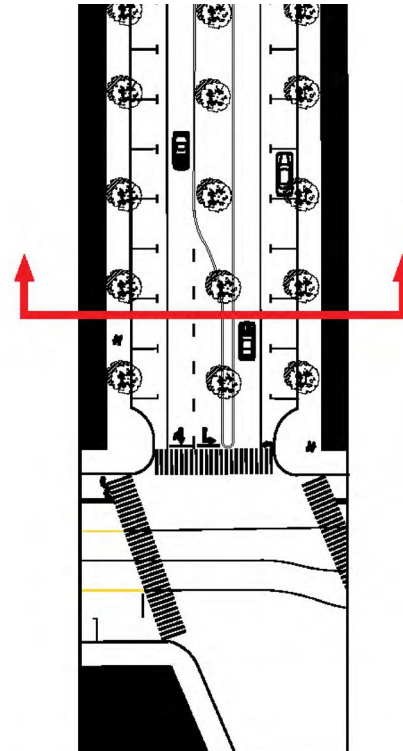
Bird's Eye Perspective (South-East)



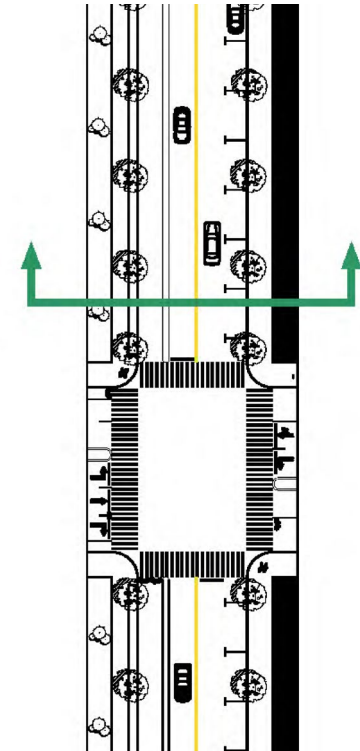
Bird's Eye Perspective (West)



North-South Street



Boulevard Street



Riverside Street



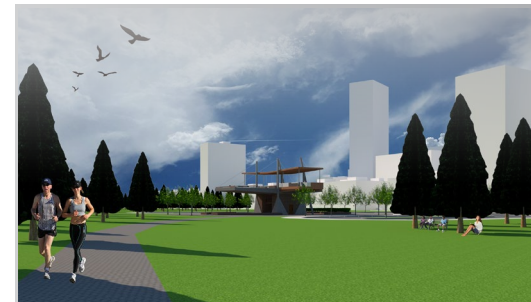
Plaza



Eye-level Perspectives



Pavilion



Concepts

BARRHAVEN TOWN CENTRE

Third Year:

Urbanism on the Periphery

Instructor:

[REDACTED]

Date:

December 2020

- **Individual Work**
- Programs: AutoCAD, Rhino, VRay, Illustrator, Photoshop, InDesign
- Existing site in our own city
- Highlighting the marginalized and abandoned
- Imagining a new, collective urban future for Ottawa
- Heritage, community, ecology
- Use of the palimpsest



Context Map



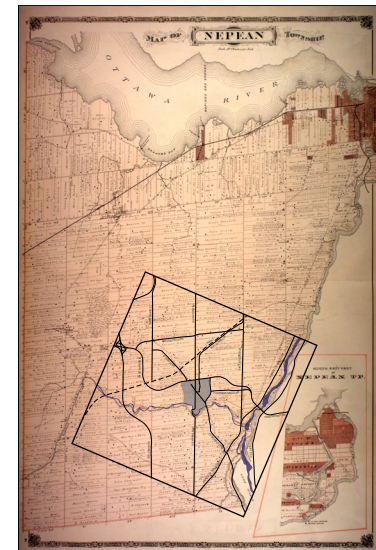
Ottawa Urban Area Boundary & Barrhaven town Centre



Distances to Barrhaven Town Centre from Notable Locations



Barrhaven town Centre & Surroundings



Map of Nepean- 1879
Overlay of Modern Roads

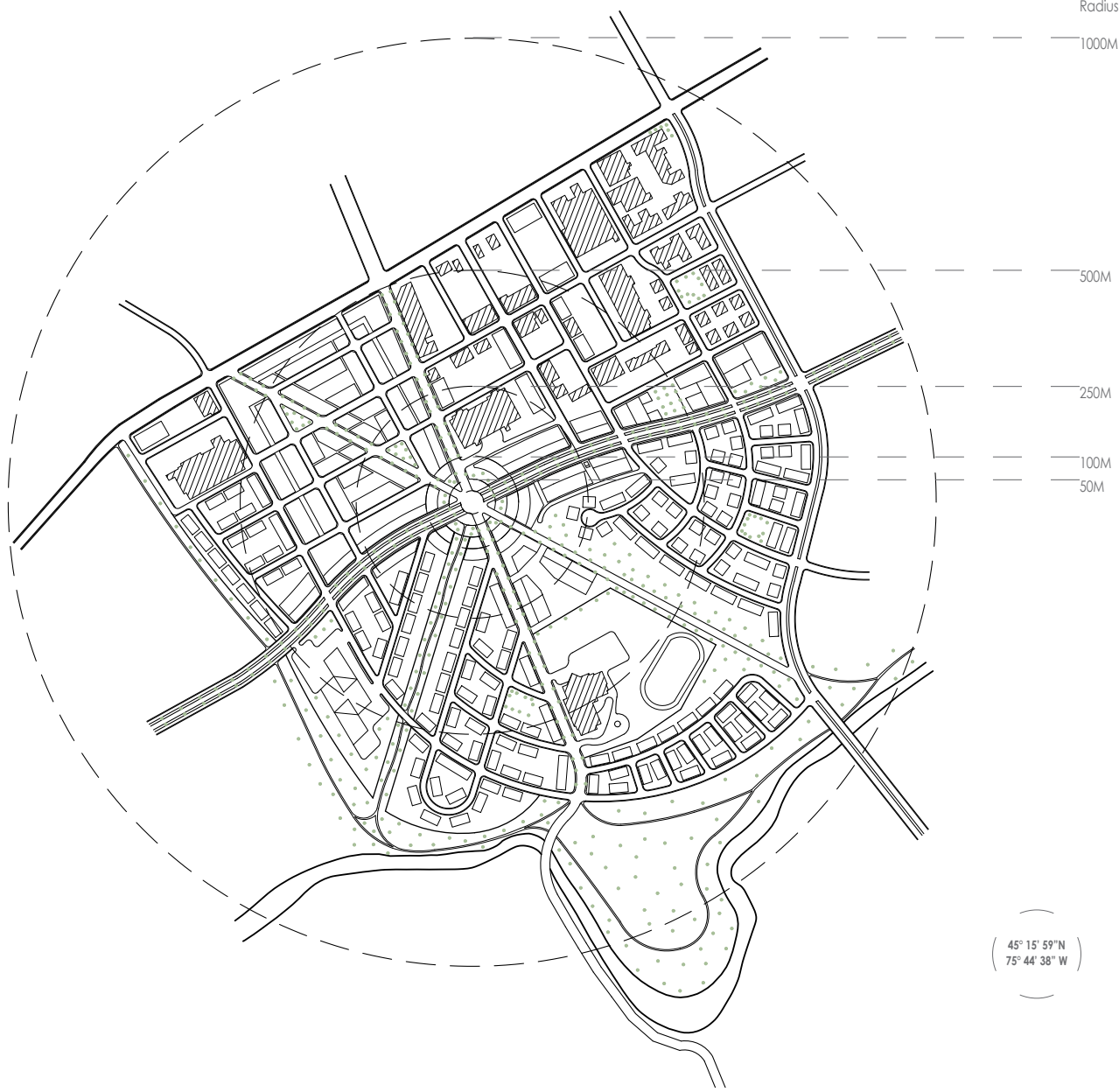
Land Use

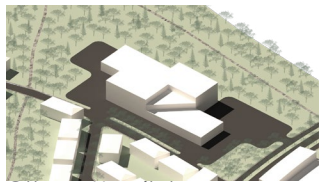


Mobility

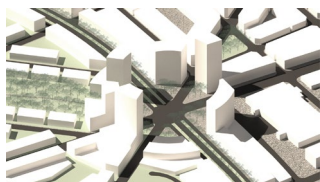
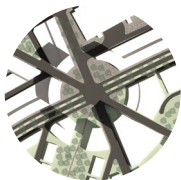


Site Plan

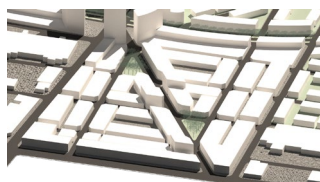
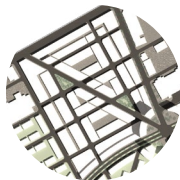




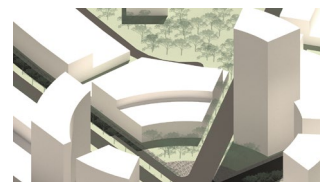
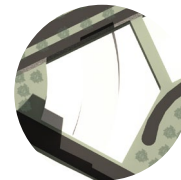
Ottawa Hospital



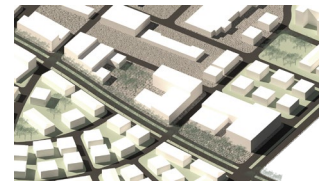
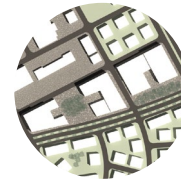
Jockvale Corner



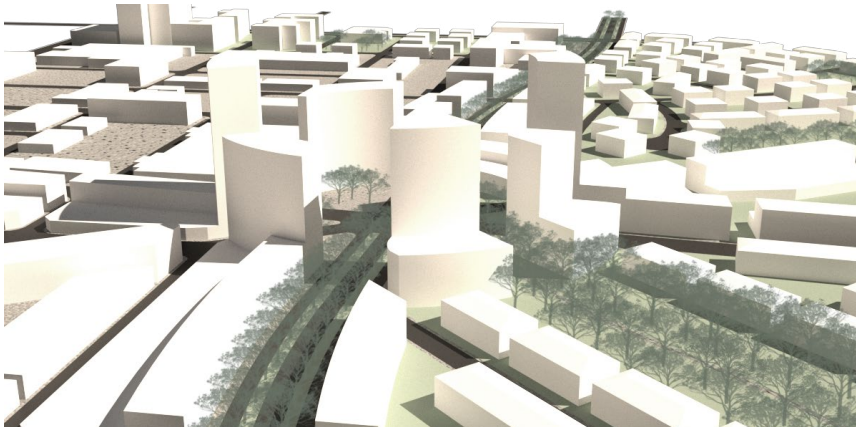
Walkable District



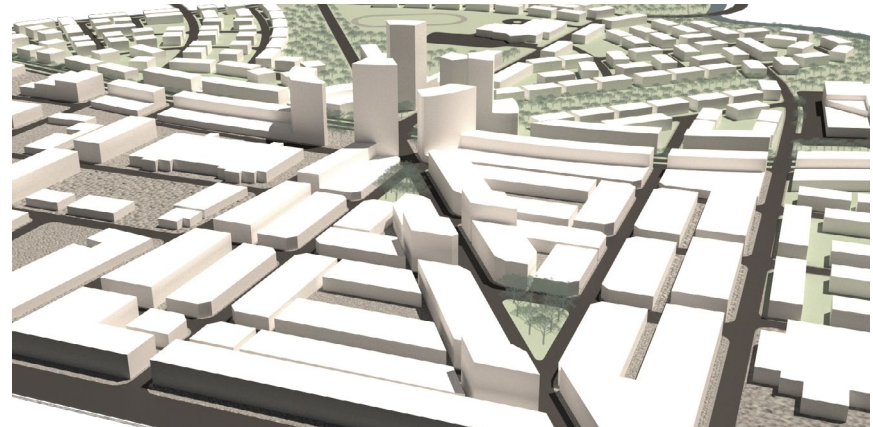
Civic Centre



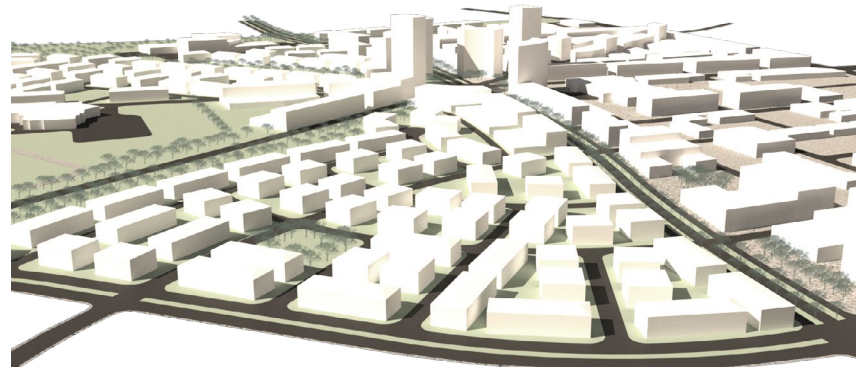
Algonquin College



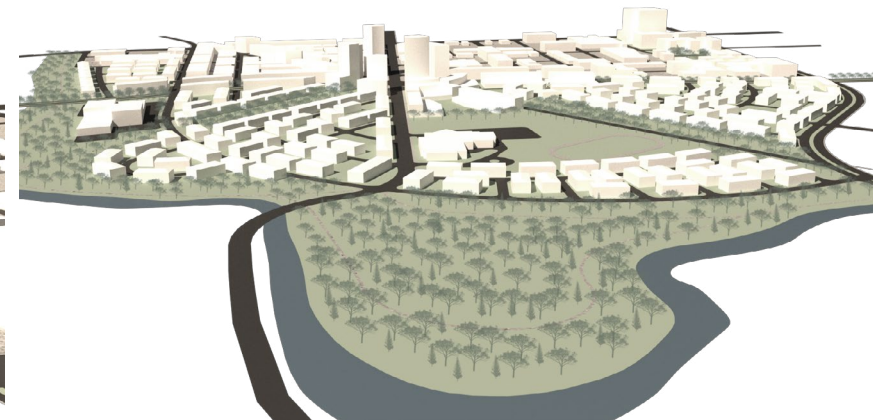
Jockvale Corner



Walkable District



Longfields Drive & Townhouses



Jock River Park

Applications

SANTA FE MIDTOWN CAMPUS

Third Year:

Urbanism in the Core

Instructor:

[REDACTED]

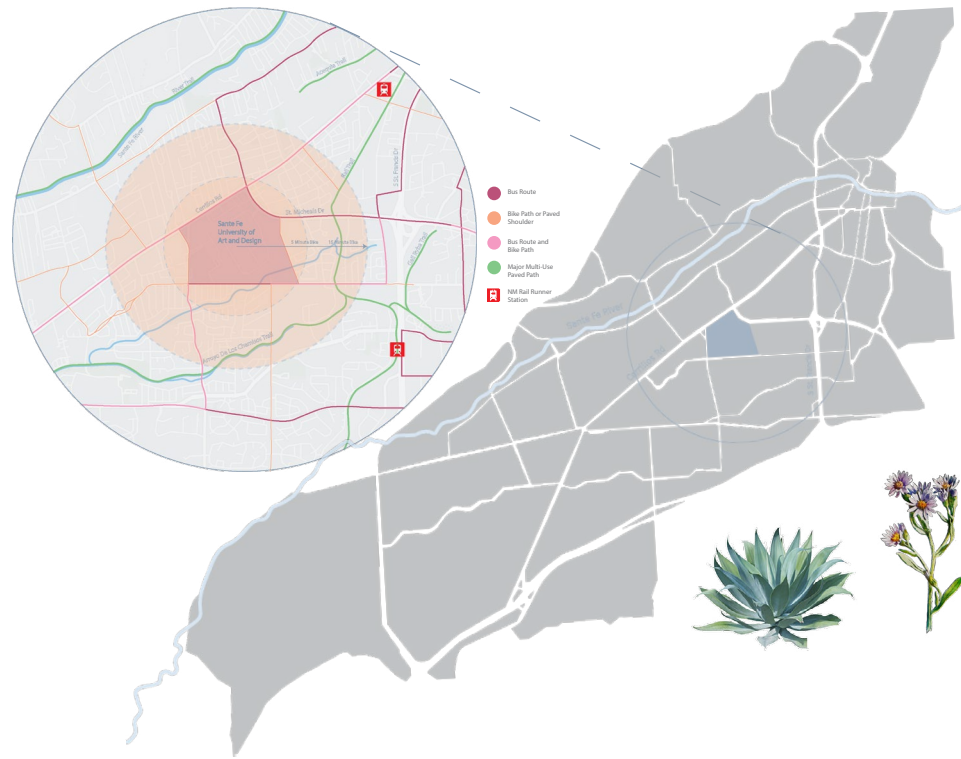
Date:

April 2021

Team:

[REDACTED]

- **Contribution:** Input on overall site layout, design of the 'Core' district, creation of diagrams
- Programs: AutoCAD, Rhino, Lumion, Illustrator, Photoshop, InDesign
- Creation of a new urban centre for Santa Fe, NM
- Integration of the whole city, physically and culturally
- History, conflicting interests, poor infrastructure
- Enhancement of the quality of life



Context Map



Existing Figure Ground



Proposed Figure Ground

Building Typology & Land Use



- | | | |
|--|---|---|
| ● Mixed Use | 1 Santa Fe Art Institute ¹ | 16 Arroyo Hotel |
| ● Mixed Use Commercial and Residential | 2 Greer Garson Theatre ¹ | 17 Restaurant |
| ● Transit | 3 Folgelson Library ¹ | 18 Midtown Tourist Information Center |
| ● Office | 4 Folgelson Culture Center | 19 Saint Michael's Shopping Complex |
| ● Commercial/Retail | 5 Georgia O'Keeffe Plaza | 20 Residential (Housing) |
| ● Residential | 6 Benildus Hall ¹ | 21 Nava Elementary School ¹ |
| ● Education | 7 LaSalle STEM Building | 22 Nava Daycare Center |
| ● Governmental | 8 Shellabarger Tennis Center ¹ | 23 The Santa Fe Higher Education Center ¹ |
| ● Public Space | 9 Driscoll Fitness Center ¹ | 24 Santa Fe Public Library La Farge Branch ¹ |
| | 10 Community Convenience Store | 25 Milagro Middle School ¹ |
| | 11 Garson (Netflix) Studios ² | 26 New Mexico State Governmental Offices ² |
| | 12 Garson Residences | 27 Georgia O'Keeffe Pergola |
| | 13 Mixed Use Commercial and Residential | 28 Alumni Sculpture Park |
| | 14 Kennedy Transit Station | 29 General Franklin E. Miles Park ¹ |
| | 15 Cerrillos Business District | 30 Siringo Park |

1 - Existing Buildings
2 - Additions made to Existing

Rendered Site Plan

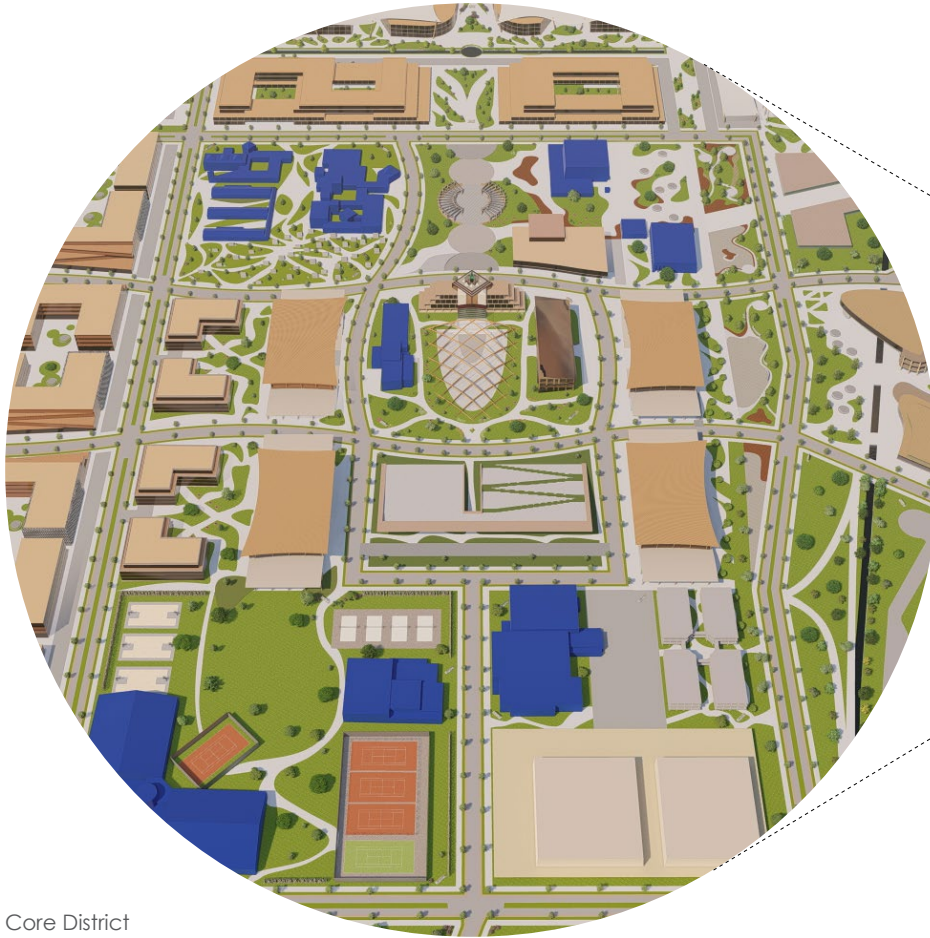


North-South Site Section



West-East Site Section





Core District



Eye-level Perspective (South-East)



Perspective (South-West)



Siringo Park



General Franklin E. Miles Park



Santa Fe Art Institute



Community Centre

Details

SHAPING COMMUNITY: THE AVENUE DE LAMARCHE NEIGHBOURHOOD

Fourth Year:

Comprehensive Studio

Instructor:

[REDACTED]

Date:

December 2021

Partner:

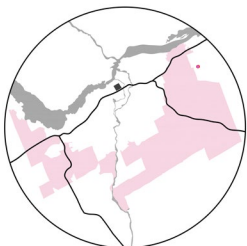
[REDACTED]

- **Contribution:** Urban design, design of 'Le Gardien', organizing final presentation boards
- Programs: AutoCAD, Rhino, Lumion, Illustrator, Photoshop, InDesign
- Working on a real-world site
- Direction and feedback provided by the developer 'Lépine'
- Mid-rise residential (2000 units)
- From the city scale to the building component scale
- Interplay between creative ideas and realisable objectives

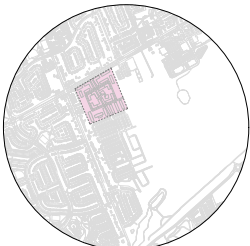


Rendered Plan

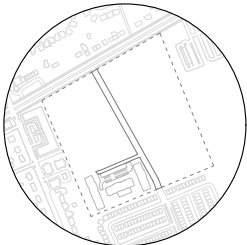
Diagrams



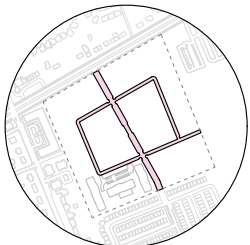
Metropolitan Context Map



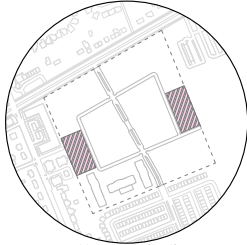
Neighbourhood Plan



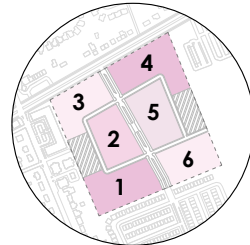
Starting Point



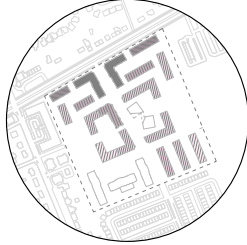
Street Network



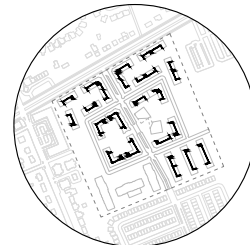
Parkland Dedication



Zones



Density Distribution



Circulation Corridors & Cores



Central Path

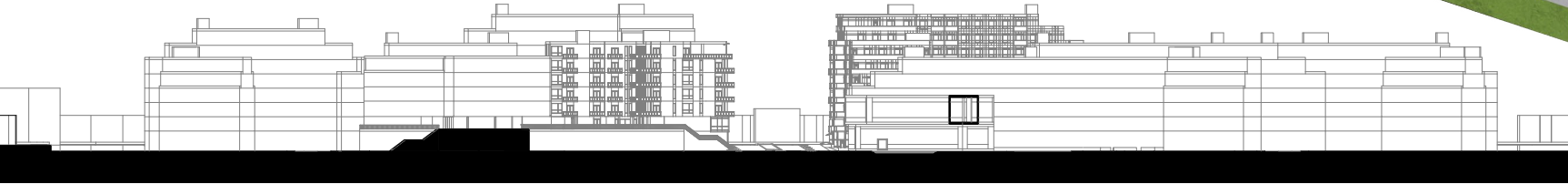


Amenities Pavilion



South Bird's Eye Perspective

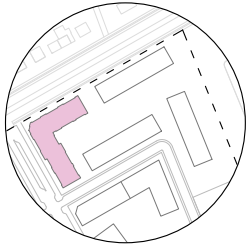
West-East Site Section



Le Gardien



Site Plan Key Map



Zone 4 Key Map



North Rendered Elevation



West Rendered Elevation



Eye-level Perspective (South-West)

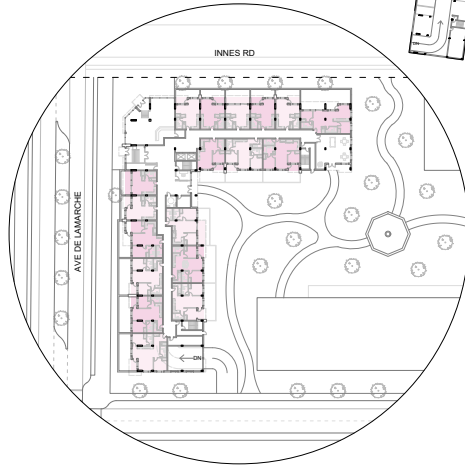


Section Perspective (East)

First Level Parking Plan



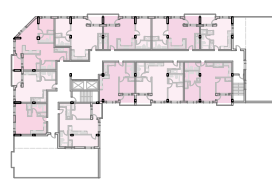
Grade Floor Plan



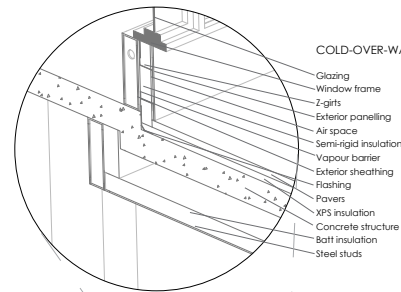
Typical Floor Plan



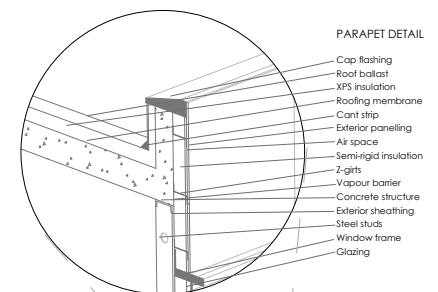
Ninth Floor Plan



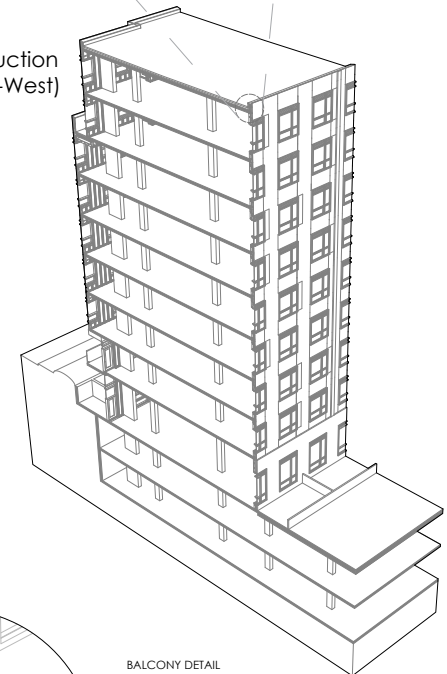
COLD-OVER-WARM DETAIL



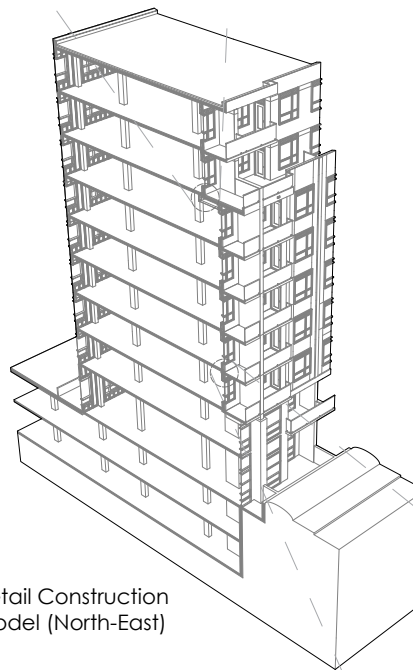
PARAPET DETAIL



Detail Construction Model (South-West)



Detail Construction Model (North-East)



BALCONY DETAIL

