Integration of Assisted Living Facilities into an active urban fabric versus community connection suburban living.

RAIC 690 B

Syllabus Diploma Project

D9B

Olugbemi Michael Oguntola AB160038CAL

June 12, 2023

'My Kensington NANA'

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Olugbemi Michael Oguntola AB160038CAL Thesis Statement

Thesis Statement / Research Problem

Integration of assisted living facilities into an active urban fabric versus community connection suburban living.

Assisted living facilities have long been developed in suburban areas of cities. While suburban communities may provide a realm for neighbourhood public engagement by seniors, this environment does not facilitate the continuous active experience that is required by the mind and body. The wellbeing of seniors may be greatly enhanced by the active lifestyle that is easier to achieve in an urban area.

Leaend:



No Disability

Design Intent



Physical disability



Dementia

- Advantage
- Disadvantage

Cambridge Manor



Edwards Place

Proximity to retail

Resident monitoring at park

Proximity to transit

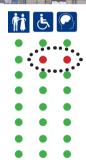
Amenities & accessibility at parks

Landmarks

Exterior pedestrian activities

Transit frequency

Safety at roads



Design Intent

To provide an assisted living facility with internal communal spaces in the form of an urban green environment for the wellbeing of seniors by facilitating social interaction and physical movement of its residents at all seasons of the year, while complimenting the active lifestyle in its surrounding urban area.

Client

Seniors with no disability, physical disability & early dementia.

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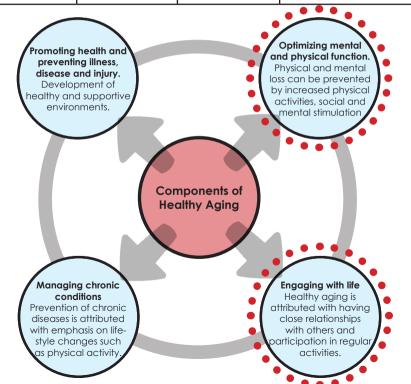
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Design Intent

Disadvantages	No disability	Physical disability	<u>Dementia</u>
Proximity to park	Lack of staff monitoring from facility for residents at park due to proximity.	Lack of staff monitoring from facility for residents at park due to proximity.	Staff would be required to accompany resident to the park due to cognitive decline and impacting facility resources.

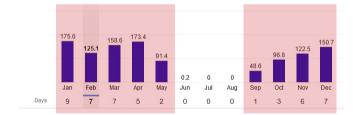


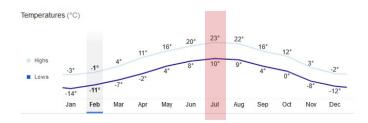
Weather averages for the year in Calgary





Snowfall (millimeters)





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Precedent Study 1

The role of urban green spaces in care facilities for elderly people across European cities.

Two types of urban green spaces (UGS) were investigated:

- 1. Green spaces outside the facilities (parks and forrest)
- 2. Care facility gardens

Hypothesis

These hypothesis were tested to determine their role in living quality of seniors and management of UGS:

- Gardens related to care facilities for seniors provide benefits in terms of physical activities, passive recreation and social interaction with different groups of individuals.
- 2. UGS outside of care facilities are visited by facilities without gardens to compensate the lack of garden.
- 3. UGS with gardens outside of care facilities are less used than own gardens due to health impairments of seniors.
- 4. Visit to an UGS outside a care facility is dependent on access.

Study areas

Study areas addressed include care facilities for the elderly in cities from different geographical parts of europe (Germany, Poland, Austria, Romania, Slovenia and Norway) to account for the difference in availability, user demand and planning priorities of UGS.

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Methods

A standardized questionnaire with a focus on quantitative methods was developed to mirror the hypotheses to determine the role of UGS in care facilities for the elderly.

Result

The result showed a huge support for gardens at care facilities for seniors and are important for the quality of life for residents in terms of physical activities and social interaction.

Comments from administrators

"the possibility of using gardens & the inclusion of nature, is essential in the context of care".

"the garden is a wonderful place to enjoy the sun, to use it together with everyday companions or to talk and walk with relatives"

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Precedent Study 2

Montemurlo Aged Care Facility

Architect: Ipostudio architetti

The architecture is reminiscent of the farmyards and walled villages associated with the Tuscan landscape.

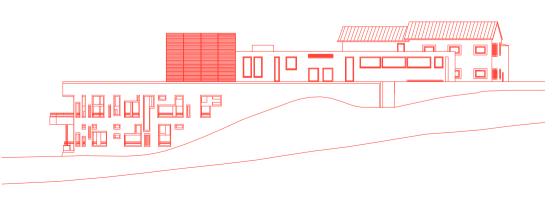
The structure supports an elevated yard populated by independent structures, and a single punctuated stone wall presents itself to the valley and the city beyond.



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Two design strategies at Montemurlo:

Precedent Study 2

- 1. The rooftop farmyard-like spaces that provide access to the facilities below.
- 2. Punctuated stone façade that evokes the dry stone walls of the region.

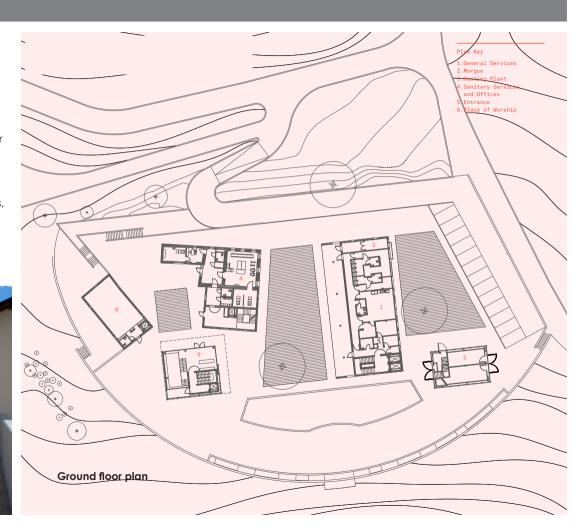
The topmost access level provides opportunity for residents to walk unhindered in the open air, in a secure public place punctuated by a series of functional pavilions.

The overall effect resonates with the streets, lanes, farmyards and village squares of the region.

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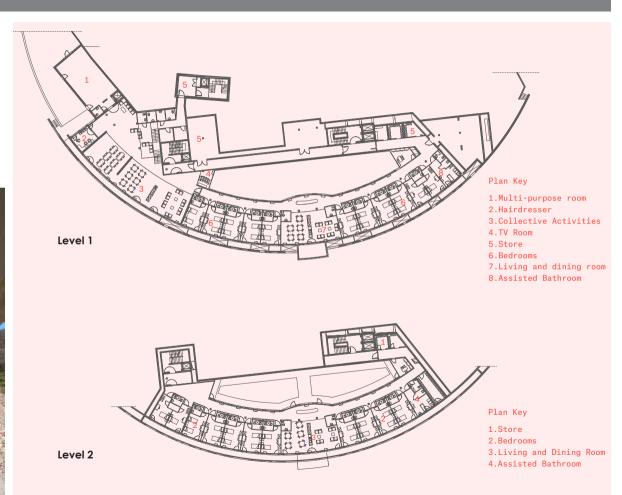


Precedent Study 2

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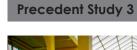
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Integration of Assisted Living Facilities











Bethany Calgary

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Bethany Riverview





Precedent Study 4

Chelsea and Westminster Hospital Central London

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Indoor garden, seating for patients and visitors are provided for social interaction, and sleeping pods for staff.



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Sky Garden opened in 2021 adjacent to the Intensive Care Unit on the top floor. The space has been designed to accommodate beds and wheelchairs, allowing its use by patients to experience nature without leaving the hospital.





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Precedent Study 5

Lantern Of Chagrin Valley Ohio, USA

Assisted living facility designed specifically for patients with dementia and Alzheimer's disease.

The building's interior courtyards and corridors were planned to look like tiny houses with front porches looking out over a golf course to improve social interaction and feel at home.







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Precedent Study 6 Retirement & Nursing Home

Austria

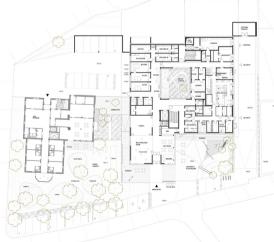
Architect: Dürschinger Architekten, SRAP Sedlak Rissland Year: 2017

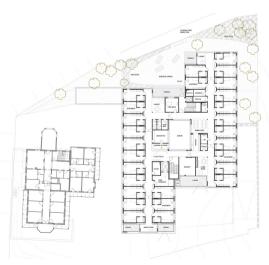
Communal spaces are provided within and around the building to encourage communication between the residents and community in the form of Public garden, Dementia garden & Children's playground.

Central atrium provides visual communication across floors, between the dining areas and communal areas of the different care units









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Precedent Study 7

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Highbury Community Garden UK

Sensory garden involves the use of colours, artworks that play a key role in triggering memories which is important for dementia care.



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Jikka House

Ito, Japan

Architect: Issei Suma Year: 2015

Precedent Study 8

Retirement home for 2 Japanese seniors that doubles as a cafe during the day and as home base for meal delivery service to the community.

Residents of retirement home provide care for seniors from the surrounding neighbourhoods.

The huts all open to landscape views

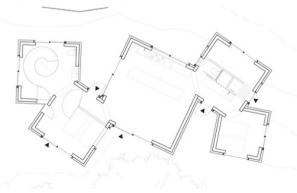






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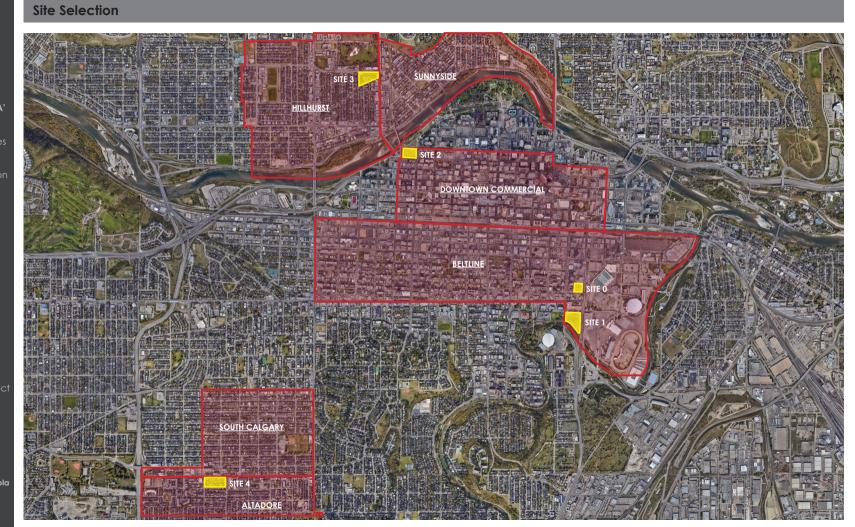




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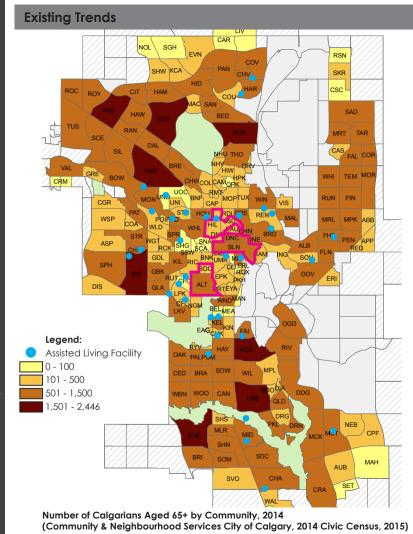


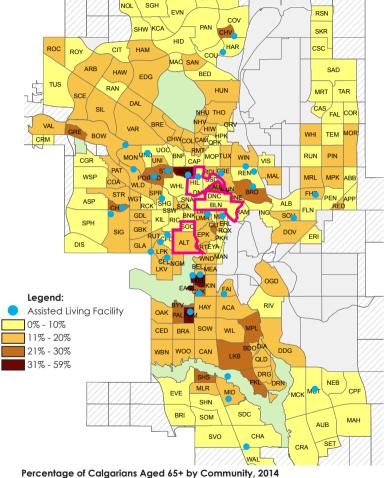


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(Community & Neighbourhood Services City of Calgary, 2014 Civic Census, 2015)

Proposed Site 0 (Preliminary) - BELTLINE

PROPOSED SITE 0 (PRELIMINARY)

CALGARY TOWER

OLYMPIC PLAZA

CALGARY MUNUCIPAL BUILDING

CENTRAL

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SPORT CENTRE

ELBOW RIVER CASINO

STAMPEDE GRANDSTAND

VICTORIA PARK LRT STATION

BMO CENTRE

VIEW OF PROPOSED SITE

SADDLEDOME

Proposed Site 1 - BELTLINE

SPORT CENTRE

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Integration of Assisted Living Facilities



PROPOSED SITE 1



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VICTORIA PARK LRT STATION

ELBOW RIVER CASINO

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PROPOSED SITE 2

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VIEW OF PROPOSED SITE

PEACE BRIDGE EAU CLAIRE PARK

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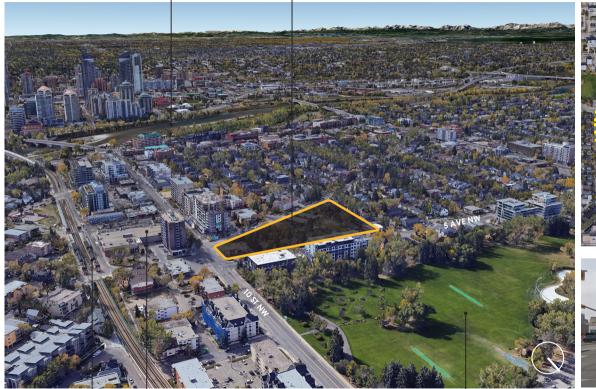
Proposed Site 3 - SUNNYSIDE HILLHURST

BOW RIVER

PROPOSED SITE 3

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VIEW OF PROPOSED SITE

SUNNYSIDE LRT STATION

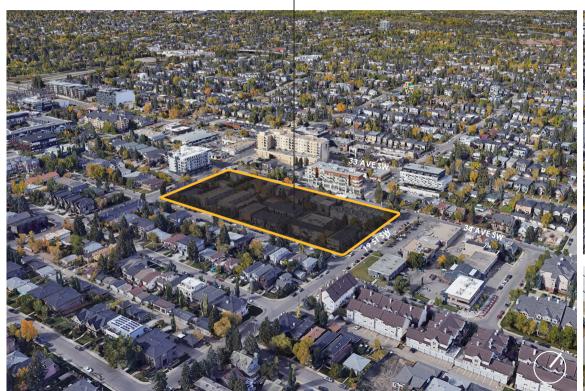
SAFEWAY

RILEY PARK

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VIEW OF PROPOSED SITE

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Proposed Sites



Site 0 (Preliminary) - BELTLINE

Site is located at close proximity to possible high pedestrian traffic at cultural activity on Stampede grounds and could result in security risk to seniors.



Site 1 - BELTLINE

The location between two major roadways would be a disadvantage for pedestrians.



Site 3 - SUNNYSIDE HILLHURST

Connection to urban corridor and major activity area.



Site 2 - DOWNTOWN

Site is located South of Bow river and has limited South exposure.



Site 4 - MARDA LOOP

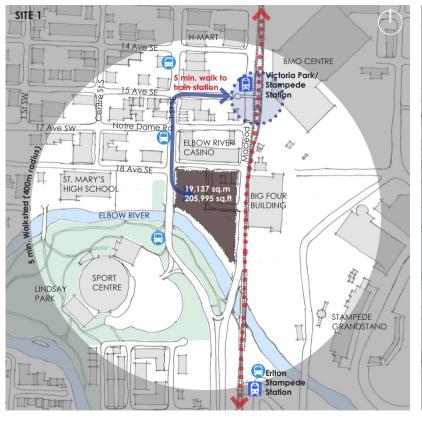
Located at close proximity to urban corridor with no parks at close proximity.

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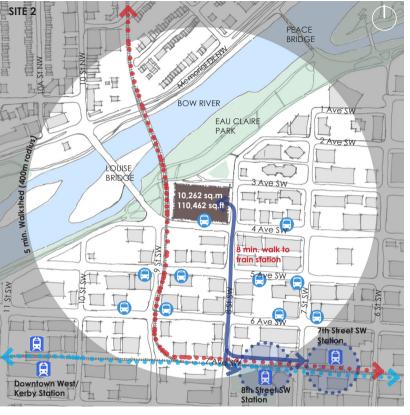
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Transit Network



LRT station at close proximity to site



Legend:

LRT - Blue line

LRT - Red line

Walk route to LRT station

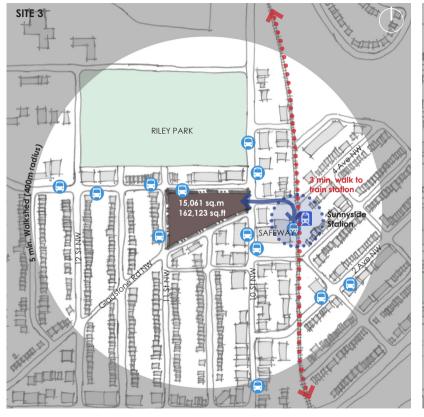
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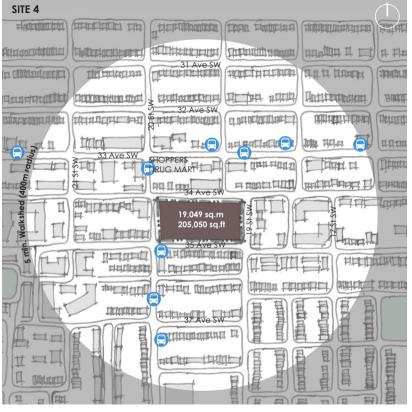
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Transit Network





Legend:

LRT - Red line



Walk route to LRT station



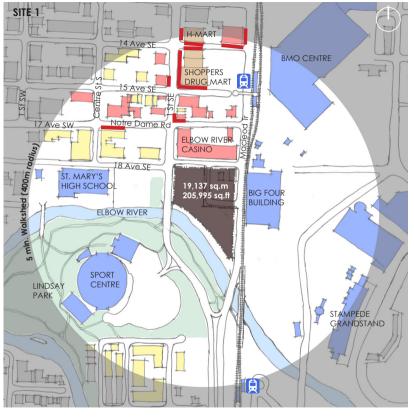
LRT station at close proximity to site

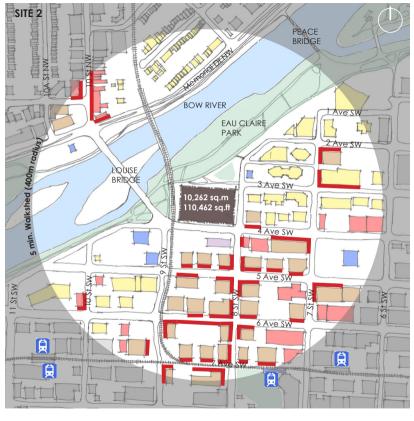
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Land Use | Retail Activity





Legend:

Residential

Mixed use

Active retail frontage

Utility

Institutional

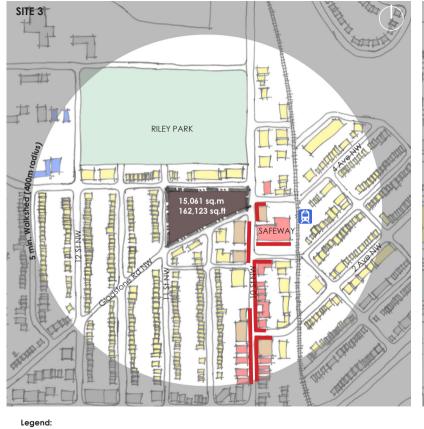
Commercial

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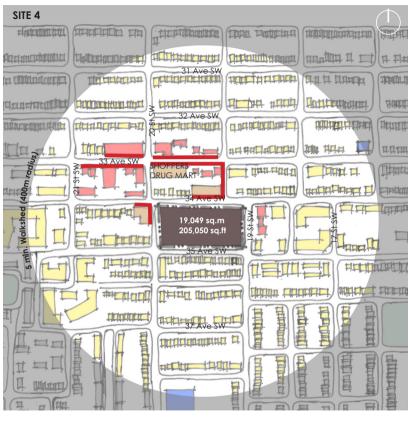
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Land Use | Retail Activity



Institutional

Active retail frontage



Residential

Mixed use

Commercial

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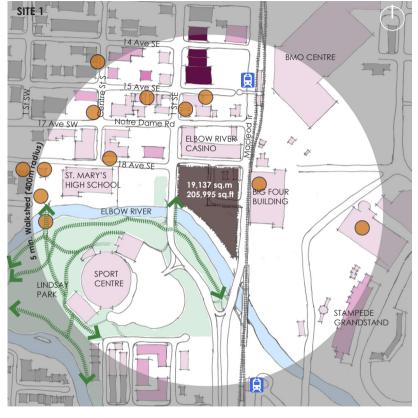
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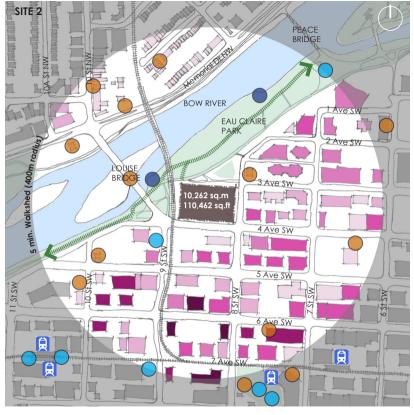
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Accessibility at Parks | Landmarks





Legend:

1 to 4 storeys

11 to 16 storeys

5 to 10 storeys 23 to 28 storeys

29 to 40 storeys

17 to 22 storeys

Public art

Historic resources

River access location

Off-street pathway

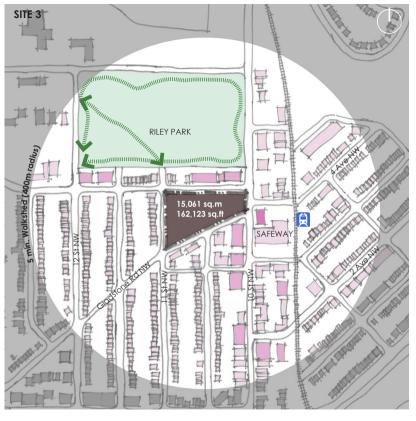
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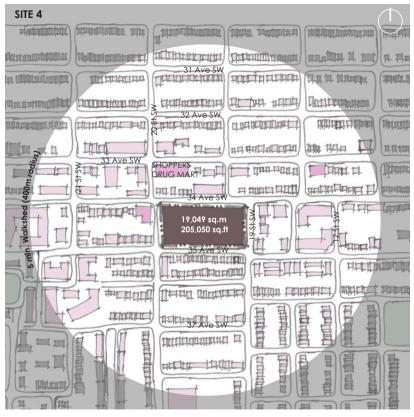
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Accessibility at Parks | Landmarks





Legend:

1 to 4 storeys

5 to 10 storeys

11 to 16 storeys



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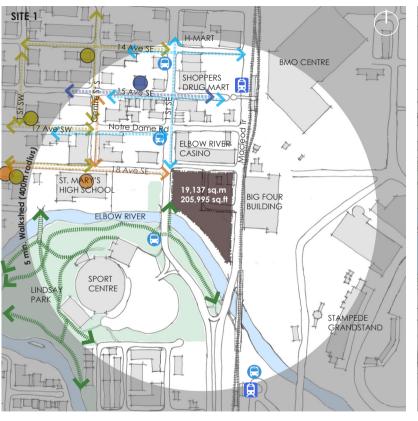
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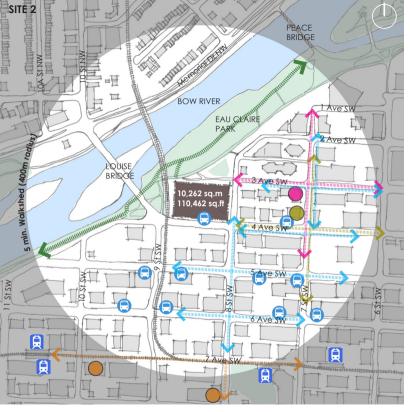
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Pedestrian Generating Activities





Legend:



Alex Walker Tower (Independent living, 65+)

Chartwell Eau Claire Care Residence (Combined living, 60+)

Predicted church pedestrian route (weekends)

Predicted school pedestrian route (weekdays)

Pedestrian route at park

Predicted facility pedestrian route (daily)





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Church

School

Pedestrian Generating Activities





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31 Ave SW

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HOME THE PROPERTY OF

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HILLIAM

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Dark Tulburn

CHILL LITTLE CHILL

Predicted church pedestrian route (weekends)

Predicted school pedestrian route (weekdays)

Pedestrian route at park

Selected Site - SUNNYSIDE HILLHURST

BOW RIVER SITE

SUNNYSIDE HILLHURST

Connection to urban corridor and major activity area.

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SUNNYSIDE LRT STATION SAFI

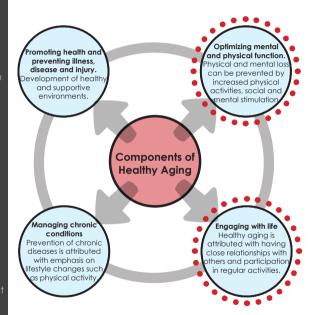
SAFEWAY

RILEY PARK

VIEW OF PROPOSED SITE

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Facility support spaces

- Entry lobby
- Visitors lounge
- Medical consulting rooms (Dental & Massage)
- Nurses's station
- Staff lounge
- Loading area
- Changing rooms
- Administrative offices
- Kitchen
- Washrooms

Activity spaces

- Games room (Billiards etc.)
- Swimming pool & Hot tub
- Fitness room (Yoga studio & Gym)
- Craft workshops (Wood workshop & Art gallery)
- Pub
- Dining
- Multipurpose room (Bingo)
- Coffee shop & Tuck shop
- Lounge
- Hair salon

Bedrooms

- 1 Bedroom suite
- 2 Bedroom suite
- Couples bedroom suite

Support spaces for bedrooms

- Resident assistance bathroom
- Home care office
- Prayer room
- Nurses' station
- Garbage room
- Laundry
- Janitor & House keeping
- Washrooms

Support spaces for activity areas

- Swimming pool changing rooms
- Storage
- First aid room
- Washrooms

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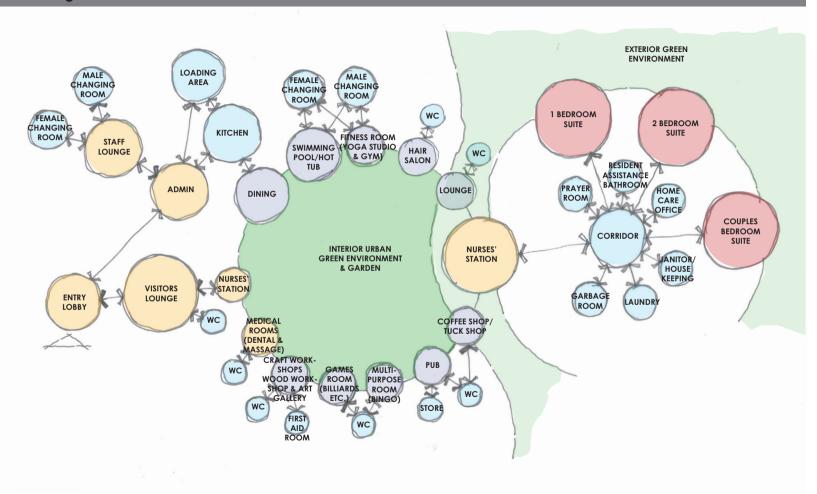
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Bubble Diagrams

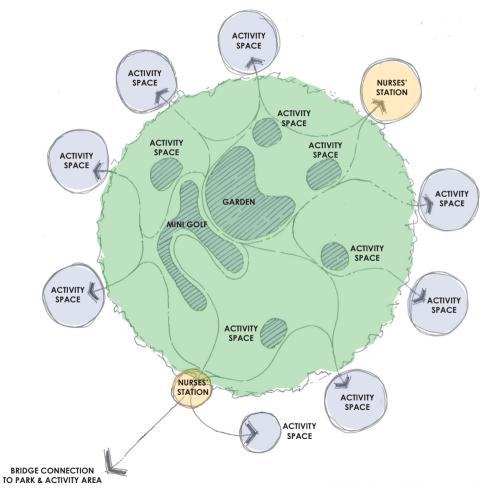


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Bubble Diagrams (Interior Urban Green Environment)













Activity area





Mixed landscape elements





Urban design elements Community garden

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Site Plan

PARTI

BUILDING

RILEY PARK

INTERIOR GREEN

ENVIRONMENT

SITE CONTEXT























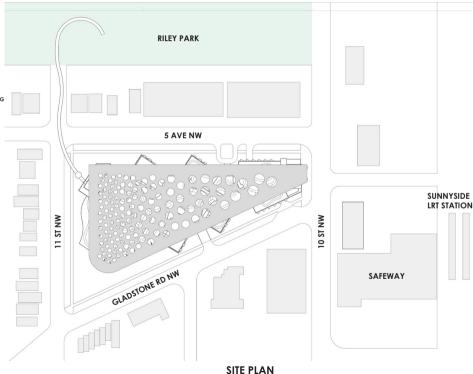
182 bedroom units

1-bed - 169 units

2 bed - 6 units

3 bed - 7 units

202 residents



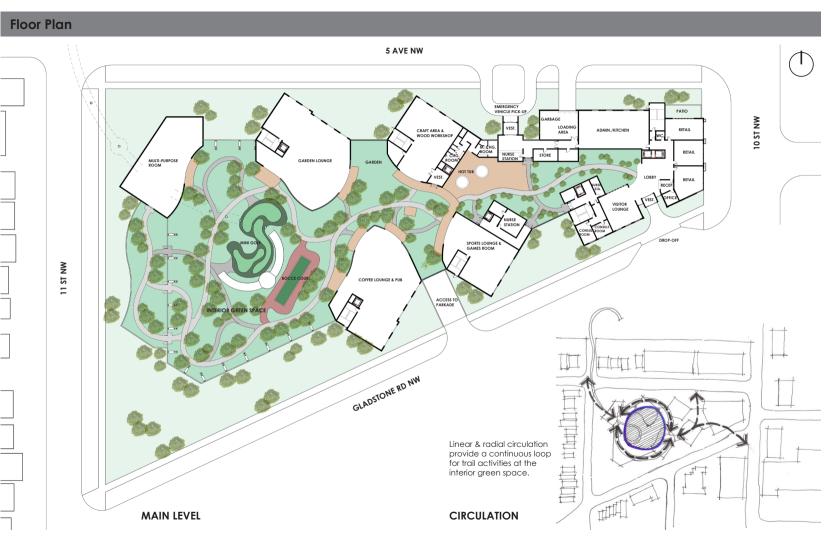
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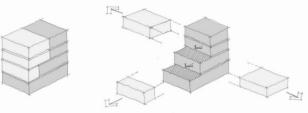
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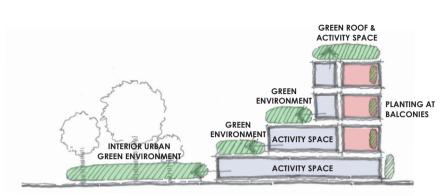
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Building Section

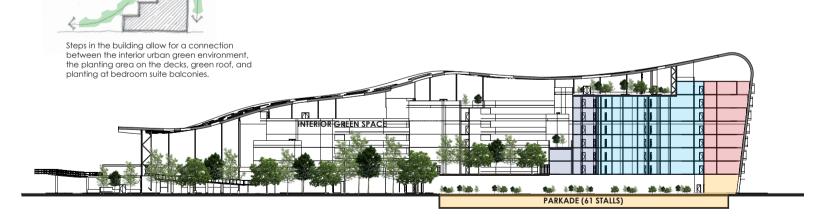


Intent:

Strengthen the interface between the green environment and activity spaces by increasing the interacting surface areas.



SECTIONAL RELATIONSHIP DEVELOPMENT



BUILDING SECTION

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Typical Floor Layout



Interior View

'My Kensington NANA'

Integration of Assisted Living Facilities





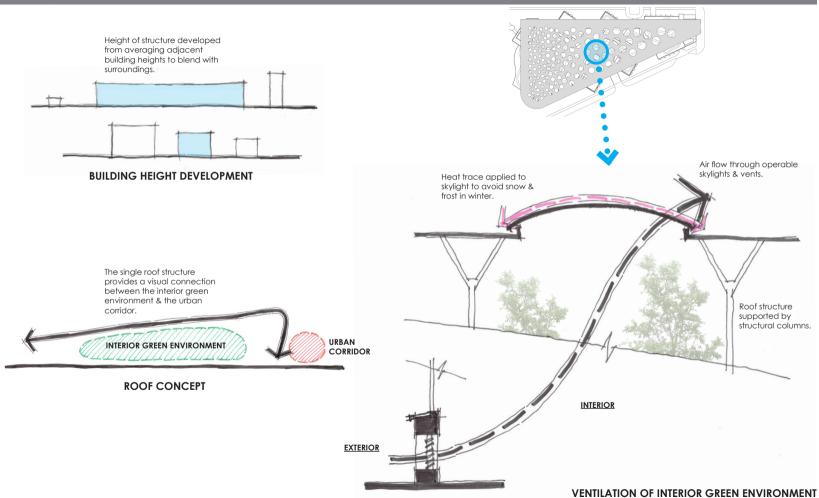
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Building Analysis



Interior View









Interior View

'My Kensington NANA'

Integration of Assisted Living Facilities





Interior View

'My Kensington NANA'







Interior View

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Integration of Assisted Living Facilities into an active urban fabric versus community connection suburban living.





Interior View

'My Kensington NANA'







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Exterior View

'My Kensington NANA'







Exterior View

<u>BUILDING MATERIALS</u> Natural building materials on facade: Wood Stone Concrete

'My Kensington NANA'

LANDSCAPED BALCONIES

Random extrusion of interior landscape balconies represent random excitement and hope that uplift seniors.



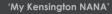
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NORTH-EAST VIEW RELATIONSHIP WITH URBAN CORRIDOR

Exterior View



Integration of Assisted Living Facilities into an active urban fabric versus community connection suburban living.



RILEY PARK



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Exterior View



PROXIMITY TO INFRASTRUCTURE

Public transportation within 5min walkshed.

Proximity to retail & commercial activities.

Proximity to park.



ACCESSIBILITY AT PARKS

Green environment equipped with trails & urban design elements.

Accessible path of travel with direct connections to activity



PEDESTRIAN GENERATING ACTIVITIES

Engagement with pedestrian activities from retail, park, transit, school & church at close



TRANSIT NETWORK

High frequency transit network of buses & trains.



LANDMARKS

Buildings & corner shops act as landmarks to facilitate way-finding.



VEHICULAR ACTIVITIES & SAFETY

Smaller road widths and street blocks reduce vehicle speeds and increase safety confidence.



PARK MONITORING

Interior green environment requires less monitoring and resources.



Olugbemi Michael Oguntola

BUILDING ENTRANCE

Model

'My Kensington NANA'

Integration of Assisted Living Facilities









Conclusion

This urban integrated assisted living facility provides active experiences for its residents through it location at close proximity to an urban corridor where their lifestyle can be enhanced through engagement with the activities generated from this environment. The introduction of an interior green environment responds to Calgary as a winter city it allows for increased physical activities, social and mental stimulation at all times of the year. The modules in this concept may be increased to respond to density requirements, however, a desirable amount of green space per resident should be maintained for their physical and social activities.

'My Kensington NANA'

Integration of
Assisted Living Faciliti
into an active
urban fabric versus
community connecti
suburban living.

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